



# 2024 Annual Water Quality Report



## Cedar Rapids Linn County Solid Waste Agency Site 2

Cedar Rapids, Iowa

February 2025

IDNR Permit No. 57-SDP-01-72P  
Project I.D.: 24C034.00

Solving our clients' toughest  
science and engineering challenges.



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February 28, 2025

Brian Rath, P.E.  
Iowa Department of Natural Resources  
6200 Park Avenue, Suite 200  
Des Moines, IA 50321

Re: 2024 Annual Water Quality Report  
Cedar Rapids Linn County Solid Waste Agency Site 2  
1954 County Home Road, Marion, IA 52302  
Permit No. 57-SDP-01-72P

Dear Brian Rath:

On behalf of the Cedar Rapids Linn County Solid Waste Agency (Agency), Foth Infrastructure & Environment, LLC (Foth) is submitting the 2024 Annual Water Quality Report (AWQR) as required by Iowa Department of Natural Resources (IDNR) Permit No. 57-SDP-01-72P. The contents of this report are intended to satisfy the requirements of 567 Iowa Administrative Code (IAC) 113.10(5)c(1) and 113.10(6)d(1), related to recordkeeping and notification, and annual reporting requirements listed in IAC 113.10(10).

This report was prepared using the IDNR AWQR report format. The Monitoring Well Maintenance and Performance Reevaluation Schedule and Summary, Leachate Control System Performance Evaluation Report (LCSPER), and Methane Monitoring Report (MMR) have been incorporated directly into the AWQR as Tables 3, 4A, 4B, 17, and 18.

Thank you for your attention to this matter. Please contact us at our numbers listed below if you have any questions or need additional information.

Sincerely,

Foth Infrastructure & Environment, LLC

A handwritten signature in blue ink that reads "Gina Wilming".

Gina Wilming  
Senior Project Manager  
Iowa CGP #2099  
(319) 297-2065

A handwritten signature in blue ink that reads "Brian K. Harthun".

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# 2024 Annual Water Quality Report

## Distribution

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1	Field Office #1 Iowa Department of Natural Resources 909 West Main, Suite 4 Manchester, IA 52057

# **2024 Annual Water Quality Report Cedar Rapids Linn County Solid Waste Agency Site 2**

Project ID: 24C034.00

Prepared for  
**Cedar Rapids Linn County Solid Waste Agency**  
1954 County Home Road  
Marion, IA 52302

Prepared by  
**Foth Infrastructure & Environment, LLC**

February 2025

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# 2024 Annual Water Quality Report

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## Certifications

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I hereby certify that this document was prepared by me or under my direct supervision and that I am a qualified groundwater scientist as defined in 567 Iowa Administrative Code 113.10(1)d.



2/28/2025

Gina Wilming  
Iowa G.W.P. No. 2099.

(date)

My certification renewal date is  
December 31, 2025.

*For the purposes of 567 Iowa Administrative Code 113.10(1)d, 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.*

## List of Abbreviations, Acronyms, and Symbols

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ACM	assessment of corrective measures
Agency	Cedar Rapids Linn County Solid Waste Agency
ASD	alternative source demonstration
AWQR	Annual Water Quality Report
DQR	double quantification rule
Foth	Foth Infrastructure & Environment, LLC
GCCS	gas collection and control system
GWPS	groundwater protection standard
HMSA	Hydrologic Monitoring System Plan
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCSPER	Leachate Control System Performance Evaluation Report
LEL	Lower Explosive Limit
mg/L	milligrams per liter
MMR	Methane Monitoring Report
MNA	monitored natural attenuation
PQL	practical quantitation limit
QA/QC	quality assurance/quality control
RL	reporting limit
RPD	relative percent difference
SOP	standard operating procedure
SSI	statistically significant increase (over background)
SSL	statistically significant level (over GWPS)
TSS	total suspended solids

# 1. Executive Summary

Foth Infrastructure & Environment, LLC (Foth) was retained by the Cedar Rapids Linn County Solid Waste Agency (Agency) to provide an annual report summarizing the groundwater quality and hydrogeologic monitoring activities at Site 2 during 2024. This 2024 Annual Water Quality Report (AWQR) was prepared using the Iowa Department of Natural Resources (IDNR) AWQR report format. The Monitoring Well Maintenance and Performance Reevaluation Schedule and Summary, Leachate Control System Performance Evaluation Report (LCSPER), and Methane Monitoring Report (MMR) have been incorporated directly into the AWQR as Tables 3, 4A, 4B, 17, and 18.

## 1.1 Period of Report Coverage

This AWQR presents an evaluation of the groundwater, methane monitoring, and leachate collection system monitoring, maintenance, and performance activities conducted at Site 2 for the period of January 1 through December 31, 2024.

## 1.2 Report Priority

No actions or activities are on hold due to the completion of IDNR review or comment. There are no changes to the Hydrologic Monitoring System Plan (HMSP) requested in this report.

Some modifications to the statistical methodology and Sanitas® database were conducted during the Fall 2024 statistical evaluation as discussed in Table 5, Table 7, and Section 3 of the Fall 2024 statistical evaluation provided in Appendix B. These modifications included:

- ◆ Updating the reporting limit (RL) in the Sanitas® database to the laboratory practical quantitation limit (PQL). See Table 5 and the Fall 2024 statistical evaluation in Appendix B.
- ◆ Retaining the outliers flagged during prior statistical evaluations. See Table 5 and the Fall 2024 statistical evaluation in Appendix B.
- ◆ Removing earlier non-detect background data with elevated PQLs. See Table 5 and the Fall 2024 statistical evaluation in Appendix B.
- ◆ Utilizing intrawell and interwell prediction limits only for the Appendix I and II parameters that have been detected above the PQL in the applicable intrawell and interwell background data sets. The double quantification rule (DQR) was used to evaluate statistically significant increases (SSIs) over background for the remaining Appendix I and II parameters (i.e., constituents not evaluated using intrawell or interwell prediction limits). See Table 5 and the Fall 2024 statistical evaluation in Appendix B.
- ◆ Utilizing two different site-specific background groundwater protection standards (GWPS) for cobalt depending on the geologic formation of the screened interval and location of the monitoring well. See Table 5 and the Fall 2024 statistical evaluation in Appendix B.
- ◆ Utilizing confidence intervals in corrective action mode or 90% confidence bands around linear trend lines for evaluating compliance with the GWPS for corrective action constituents. See Table 8 and the Fall 2024 statistical evaluation in Appendix B.

In the letter dated December 23, 2024 (IDNR, 2024), IDNR acknowledged that the alternative source demonstration (ASD) for metals concentrations in MW-501 may be plausible but believed it was premature to approve the ASD and requested redevelopment of background well MW-201B and detection monitoring well MW-501 before the next sampling event with results discussed in the next report. As further discussed in Table 6, MW-201B and MW-501 will be redeveloped prior to the Spring 2025 sampling event. The Spring 2025 Statistical Notifications Report will review redevelopment outcomes, turbidity, and precipitation relative to the pending ASD for MW-501. In addition, intrawell background for MW-501 will also be reviewed and discussed in the Spring 2025 Statistical Notifications Report. MW-501 will remain in

detection monitoring in Spring 2025 pending the results of well redevelopment and review of the ASD and intrawell background for MW-501.

Foth requests IDNR review and approval of the following:

- ◆ Discontinue measuring and evaluating the GCCS operational metrics as a source control measure for the approved benzene and cobalt groundwater remedies (HDR, 2017 and 2021) as requested in Table 16. The gas system metrics measure the performance of the overall Site 2 gas collection and control system (GCCS) which includes the 30-Acre Cell, 13-Acre Cell, and Phases 1-4. Since the operational metrics cannot be isolated to the closed 30-Acre Cell, Foth recommends discontinuing the measurement and evaluation of the GCCS operational metrics for remedy source control performance.

### **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. Site 2 provides routine solid waste disposal services for commercial, industrial, and residential generators in Linn County, Iowa. 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 the 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
- ◆ 2021: partial final closure of the lined 13-Acre Cell; constructed lined 10-acre Phase 5A, south of Phases 3 and 4.

Current active landfilling operations are conducted on a portion of the 13-Acre Cell and in Phases 1-5A. The landfill operates under Sanitary Disposal Project Permit No. 57-SDP-01-72P renewed by the IDNR on March 10, 2022. The applicable regulatory requirements are established in the most recent revisions to 567 Iowa Administrative Code (IAC) Chapter 113 (effective 12/10/07).

Groundwater monitoring and reporting activities were conducted in accordance with Permit Special Provision X.4 and 567 IAC 113.10. Details regarding the statistical methods utilized are included with the Fall 2024 statistical report in Appendix B. Monitoring well maintenance and performance was conducted in accordance with 567 IAC 113.10(2)f.

Methane monitoring and reporting activities were conducted in accordance with Permit Special Provision X.6 and 567 IAC 113.9(2).

The leachate collection system monitoring, maintenance, and performance activities were conducted in accordance with Permit Special Provisions X.3 and X.5 and 567 IAC 113.7(5)b.

## **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 2004 *Hydrogeologic Investigation and Hydrologic Monitoring System Planning Report* (HRG, 2004). Site 2'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.

### **3. Quality Assurance/Quality Control Summary**

In 2024, field blanks, field duplicates, and trip blanks were collected and analyzed at the frequencies listed in the *Hydrologic Monitoring System Plan* (HDR, 2021). Details regarding the quality assurance/quality control (QA/QC) review for the April and May 2024 sampling events were provided in the *2024 Spring Statistical Report* (HDR, 2024c). The data validation report for the September 2024 sampling event is provided in Appendix A. The data validation report details, where applicable, any resampling recommended, data qualifiers added per data validation, and an overall assessment of the data. The standard operating procedure (SOP) used for data validation is also provided in Appendix A.

In September 2024, the overall data assessment indicated that method criteria, precision, accuracy, representativeness, comparability, completeness, and suitability for intended use were acceptable. Resampling was not conducted based on the data quality review for the September 2024 sampling event; however, it was considered in the following case.

2,4,5-TP (Silvex) was not reported for MW-22. The laboratory indicated the herbicide samples for MW-22 and field blank FB-2 were shipped to Eurofins - Savannah, GA for analysis and the laboratory was impacted by Hurricane Milton. Due to temperature preservation and hold time exceedances, Foth informed the laboratory not to proceed with the analysis. For MW-22, resampling was not recommended since the missed analysis occurred due to a natural disaster impacting the laboratory, and the historical 2,4,5-TP (silvex) detections at MW-22 have been significantly below the GWPS. 2,4,5-TP (Silvex) will be sampled at MW-22 as a detected Appendix II constituent in Spring 2025. Since FB-2 was a quality control sample, resampling was not applicable.

Note that a "Duplicate Sample RPD Summary" table was not included in the 2024 AWQR. For the September 2024 sampling event, field duplicate evaluation was included in the data validation report in Appendix A. The relative percent differences (RPDs) between the investigative and field duplicate samples were within the duplicate sample validation criteria.

Overall, the September 2024 data were found to be of good quality and suitable for the intended use.

#### **3.1 Sample Turbidity**

Low-flow and grab sampling techniques were continued in 2024. Monitoring wells were sampled using low-flow sampling techniques. This sampling methodology is consistent with minimizing turbidity and total suspended solids (TSS) in the groundwater samples. Underdrain samples GU-1, GU-O, and GU-P were collected using the respective, existing dedicated lift station's pump discharge riser. The underdrain sample from GU-L was collected as a grab sample using a disposable polyethylene bailer.

Permit Special Provision X.4.g requires an evaluation of TSS/turbidity data to determine if representative samples of groundwater have been collected. Low-flow and grab sampling methods have been utilized at Site 2 since April 2015 and this methodology change has improved TSS in the background and downgradient samples. Several background, downgradient, and delineation monitoring wells still have TSS concentrations greater than the 5 milligrams per liter (mg/L) level for satisfactory sample quality.

As detailed in Table 6, MW-201B and MW-501 will be redeveloped prior to the Spring 2025 sampling event. A detailed review of TSS concentrations at the background, downgradient, and delineation monitoring wells will be conducted with the Spring 2025 Statistical Report to determine whether additional well development activities are recommended or whether a TSS level of 5 mg/L is unattainable and the higher levels of TSS are representative of site conditions.

## **4. Conclusions and Recommendations**

### **4.1 2024 Data Evaluation Summary**

#### **4.1.1 Groundwater**

Based on the 2024 data, groundwater quality generally indicates stable or declining plumes. No new monitoring locations triggered corrective action.

#### **Detection Monitoring (See Table 6)**

No SSIs were identified at GU-1, GU-L, and GU-P. At GU-O, a single DQR detection was identified for zinc in September 2024. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection identified. Therefore, a retest sample will be collected for zinc in GU-O prior to the next semiannual sampling event.

At MW-501, SSIs were declared for cobalt, nickel, and zinc in lieu of retesting. An *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) was submitted on August 2, 2024, which indicated the recent increases in metals concentrations at MW-501 were not the result of a release from the landfill cells but rather, appeared to be the result of higher amounts of precipitation and interactions of acidic precipitation with subsurface sediments causing naturally occurring metals to release into groundwater. The *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) also identified high reddish orange turbidity with flocculated iron material in the April and May 2024 samples for MW-501. In the letter dated December 23, 2024 (IDNR, 2024), IDNR acknowledged that the ASD may be plausible but believed it was premature to approve the ASD and requested redevelopment of background well MW-201B and detection monitoring well MW-501 before the next sampling event with results discussed in the next report. Note that the reddish-orange turbidity with flocculated iron material was not identified at MW-501 during purging and sampling in September 2024. MW-201B and MW-501 will be redeveloped prior to the Spring 2025 sampling event. The Spring 2025 Statistical Notifications Report will review redevelopment outcomes, turbidity, and precipitation relative to the pending ASD for MW-501. In addition, intrawell background for MW-501 will also be reviewed and discussed in the Spring 2025 Statistical Notifications Report. MW-501 will remain in detection monitoring in Spring 2025 pending the results of well redevelopment and review of the ASD and intrawell background for MW-501.

#### **Assessment Monitoring (See Table 7)**

No statistically significant levels (SSLs) over the GWPS were identified for the assessment monitoring locations and for the assessment constituents in the corrective action monitoring locations. In addition, no SSIs over background were identified for benzene and cobalt in the delineation monitoring locations.

#### **Corrective Action Monitoring (See Tables 8 and 10-16)**

The corrective action constituents at Site 2 include benzene in MW-20 and cobalt in MW-18, MW-19, MW-20, and MW-301. SSLs over the GWPS remained for cobalt in MW-19 and MW-301. While compliance with the GWPS was not achieved, a statistically significant decreasing trend was identified for cobalt in MW-301.



Compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 starting with the Spring 2024 statistical evaluation and remained during the Fall 2024 statistical evaluation. In addition, compliance with the GWPS was newly achieved for benzene in MW-20 during the Fall 2024 statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-18 and MW-20 and benzene in MW-20 will return to assessment constituents in Spring 2027 and Fall 2027, respectively, as long as concentrations remain below the GWPS during interim statistical evaluations.

As listed in Table 10, only two corrective action constituents have not yet achieved compliance with the GWPS: cobalt in MW-19 and MW-301. First order attenuation currently projects a year to completion of 2031 for cobalt in MW-301. For cobalt in MW-19, first order attenuation could not be projected at this time; however, the no trend remains (i.e., an increasing trend was not identified).

Assessments of corrective measures (ACMs) were prepared for benzene in MW-20 (Foth, 2014 and HDR, 2017) and cobalt in MW-18, MW-19, MW-20, and MW-301 (HDR, 2019b). The selected remedies were monitored natural attenuation (MNA) with optimization of the landfill gas and leachate collection systems for source control. Tables 11A through 16 provide the required activities for monitoring the effectiveness of the landfill gas and leachate system improvements implemented as source control measures for the MNA remedy. These activities indicate improvements in source control which has allowed the MNA remedy to progress toward completion.

#### **4.1.2 Monitoring Well Maintenance and Performance Reevaluation**

As indicated in Table 3, monitoring well maintenance and performance review activities for 2024 consisted of well depths [567 IAC 113.10(2)f(3)] and waste separation from groundwater [567 IAC 113.6(2)i]. Results of the evaluation are included in Tables 4A and 4B. Based on the annual review, no changes to the monitoring well network are recommended at this time. In addition, no maintenance activities are recommended.

Well depth review will be conducted annually. The next biennial review of the horizontal and vertical acceptability [567 IAC 113.10(2)"f"(1)], water level conditions [567 IAC 113.10(2)"f"(2)], and well recharge rates and chemistry [567 IAC 113.10(2)"f"(4)] will be conducted in 2025.

#### **4.1.3 Leachate Control System Performance**

For the 13-Acre Cell and Phases 1-5A, effective leachate control is defined in accordance with 567 IAC 113.7(5)b(3) as maintaining less than one foot of leachate head over the liner at the system's lowest point(s) within the waste unit. In 2024, there was no correlation between precipitation and leachate head levels. At LHW-13A, LPT-P1-2, and LPT-P3, head levels were below one foot of head over the liner in 2024, indicating compliance with 567 IAC 113.7(5)b(3).

At LPT-P5, head levels exceeded one foot of head over the liner in April May, and August 2024. Similar to the June and August 2023 head level exceedances reported in the 2023 AWQR (HDR, 2024a), sediment accumulation in the LPT-P5 riser caused the elevated readings in April May, and August 2024. After the elevated readings were recorded the transducer was pulled and cleaned, and the riser was flushed with water. Levels below one foot of head over the liner were measured afterward. In 2025, if elevated readings are recorded at LPT-P5, field staff will perform maintenance (i.e., pull and clean the transducer and flush the riser). Readings measured after the transducer is flushed will be used as the monthly head level reading.

#### **4.1.4 Methane**

The quarterly methane results did not exceed 25% of the lower explosive limit (LEL) for facility structures or 100% of the LEL for facility boundaries (at surface and subsurface perimeter monitoring locations).

## 4.2 Recommendations for Future Monitoring

The following actions are recommended at Site 2 based on the groundwater sample analytical results, statistical analyses performed on the groundwater monitoring data, methane monitoring results, and leachate monitoring results:

- ◆ Continue collecting water level and well depth measurements on a semiannual basis at each HMSP-approved monitoring points.
- ◆ Continue collecting TSS samples and field turbidity measurements during sampling events in 2025.
- ◆ Continue detection, assessment, corrective action, delineation, and background monitoring as listed in Table 2.
- ◆ Continue benzene and cobalt ACM source control monitoring requirements in 2025 until it is no longer required by IDNR for monitoring source control effectiveness, or until an alternate monitoring program is approved.

## 5. References

- Foth Infrastructure & Environment (Foth), 2014. *Assessment of Corrective Measures, Cedar Rapids/Linn County Solid Waste Agency Site No. 2, DNR Permit No. 57-SDP-01-72P, Project I.D.: 14C062.00*. September 29. [Doc. No. 81297].
- HDR Engineering, Inc. (HDR), 2017. *Assessment of Corrective Measures, Cedar Rapids/Linn County Solid Waste Agency, Site 2, Permit No. 57-SDP-01-72P, Marion, Iowa*. (Written by Foth, September 2014; Updated by HDR Engineering, Inc., January 2017). January. [Doc. No. 101219 and No. 102539].
- HDR, 2019a. *2018 Annual Water Quality Report, Cedar Rapids Linn County Solid Waste Agency, Site 2, Permit No. 57-SDP-01-72P*. January 25. [Doc. No. 94207].
- HDR, 2019b. *Nature and Extent Study & Assessment of Corrective Measures, Cedar Rapids Linn County Solid Waste Agency, Site 2 – Marion, IA*. April. [Submitted but not included in DocDNA].
- HDR, 2021. *2021 Landfill Permit Renewal Application, Cedar Rapids Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P, Appendix J: Hydrologic Monitoring System Plan*. September. [Doc. No. 101219 and No. 102539].
- HDR, 2020. *2019 Annual Water Quality Report, Cedar Rapids Linn County Solid Waste Agency, Site 2, Permit No. 57-SDP-01-72P*. January 22. [Doc. No. 96809].
- HDR, 2024a. *2023 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency - Site 2, Permit No. 57-SDP-01-72P, Marion, Iowa*. January 26. [Doc. No. 108948].
- HDR, 2024b. *Alternative Source Demonstration: Spring 2024, Cedar Rapids/Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P*. August 2. [Doc. No. 110634].
- HDR, 2024c. *2024 Spring Statistical Report, Cedar Rapids/Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P*. August 2. [Doc. No. 110633].
- HDR, 2024d. *Construction Quality Assurance Report, Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) - Site 2 Landfill, 30-acre Cell Improvements (HDR #10362196), Marion, IA*. October 25. [Doc. No. 111154 and 111692].

Howard R. Green Company (HRG), 2004. *Hydrogeologic Investigation and Hydrologic Monitoring System Planning Report, Proposed Expansion, Site No. 2, Cedar Rapids/Linn County Solid Waste Agency, Linn County, Iowa*. June. [Doc. No. 25515].

Iowa Department of Natural Resources (Matthew R. Phoenix, P.E.), Letter to Karmin McShane, 4 Aug 2016. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill (Site #2 – Marion), Permit #57-SDP-01-72P, Amendment #16." [Doc. No. 86883].

Iowa Department of Natural Resources (Brian L. Rath, P.E.), Letter to Karmin McShane, 23 Dec 2024. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill (Site #2 – Marion), Permit No. 57-SDP-01-72P, 2023 Annual Water Quality Report (Document No. 108948), 2024 Spring Statistical Report (Document No. 110633), Alternative Source Demonstration: Spring 2024 (Document No. 110634)." [Doc. No. 111536].

United States Environmental Protection Agency (USEPA), 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. EPA 530-R-09-007. Office of Resource Conservation and Recovery, Program Implementation and Information Division, Washington, D.C.

## Tables

**Table 1**  
**Monitoring Program Summary**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Monitoring Location	Formation	Current Monitoring Program <sup>(1)</sup>	Change for Next Sampling Event	Constituents w/ SSL <sup>(2)</sup>	Constituents w/ SSL <sup>(2)</sup>	Total # of Samples in Each Monitoring Program <sup>(3)</sup>				
						Detection	Assessment	Corrective Action	Delineation	Background
<b>Groundwater Underdrain Monitoring Locations</b>										
GU-1	Underdrain System - 13-Acre Lined Cell	Detection	No Change	None	None	32	0	0	0	0
GU-L	Underdrain System - Leachate Lagoon	Detection	No Change	None	None	31	0	0	0	0
GU-O	Underdrain System - Portion of Phase 1	Detection	No Change	None	None	9	0	0	0	0
GU-P	Underdrain System - Phases 1-5A	Detection	No Change	None	None	8	0	0	0	0
<b>Downgradient Monitoring Locations</b>										
MW-15	Alluvium to Unweathered Glacial Till - Clayey Sand to Sand to Sandy Lean Clay	Assessment	No Change	Cobalt; Nickel	None	19	21	0	0	0
MW-18	Alluvium to Weathered/Unweathered Glacial Till Sand & Gravel to Sandy Lean Clay	Corrective Action	No Change	Nickel	None <sup>(4)</sup>	18	8	13	0	0
MW-19	Weathered to Unweathered Glacial Till - Sandy Lean Clay	Corrective Action	No Change	1,4-Dichlorobenzene; Chlorobenzene; Nickel	Cobalt	18	8	13	0	0
MW-20	Alluvium - Sand to Silt	Corrective Action	No Change	Arsenic; Barium; Chlorobenzene; Nickel	None <sup>(4)</sup>	2	4	33	0	0
MW-22	Weathered to Unweathered Glacial Till - Sandy Clay	Assessment	No Change	Barium; Benzene; Nickel	None	18	21	0	0	0
MW-24	Alluvium - Clayey Silt & Sand	Assessment	No Change	Nickel	None	20	19	0	0	0
MW-26A	Alluvium - Silty Sand	Assessment	No Change	Nickel	None	20	12	0	0	0
MW-300	Erosion Surface to Weathered Glacial Till - Clay and Sand to Sandy Lean Clay	Assessment	No Change	Cadmium; Chlorobenzene; Nickel	None	17	17	0	0	0
MW-301	Unweathered Glacial Till - Lean Clay with Sand Seams	Corrective Action	No Change	Arsenic; Chlorobenzene; Nickel	Cobalt	16	3	13	0	0
MW-302R	Unweathered Glacial Till - Lean Clay	Assessment	No Change	None	None	17	16	0	0	0
MW-303	Alluvium - Sand	Assessment	No Change	Nickel	None	23	8	0	0	0
MW-304R	Alluvium & Unweathered Glacial Till - Sand to Sandy Lean Clay	Assessment	No Change	Cobalt; Nickel	None	19	13	0	0	0
MW-305	Alluvium & Unweathered Glacial Till - Sandy Silt/ Sandy Clay/Gravelly Sand to Lean Clay	Assessment	No Change	None	None	12	15	0	0	0
MW-501	Unweathered Glacial Till - Sandy Lean Clay with Sand Seams	Detection	No Change	Cobalt, Nickel, Zinc <sup>(5)</sup>	None	11	0	0	0	0
MW-502	Weathered Glacial Till - Sandy Lean Clay	Future Detection <sup>(6)</sup>	N/A	N/A	N/A					10
<b>Delineation Monitoring Locations</b>										
MW-29	Alluvium - Sand to Clayey Silt with Sand	Delineation	No Change	None	None	0	0	0	39	0
MW-30	Alluvium - Clay with Sand to Sand to Clayey Silt with Sand	Delineation	No Change	None	None	0	0	0	39	0
MW-306	Alluvium - Sand	Delineation	No Change	None	None	0	0	0	26	0
MW-307A	Alluvium - Clay to Gravelly Sand to Sandy Silt to Sandy Gravel	Delineation	No Change	None	None	0	0	0	21	0

**Table 1**  
**Monitoring Program Summary**  
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Monitoring Location	Formation	Current Monitoring Program <sup>(1)</sup>	Change for Next Sampling Event	Constituents w/ SSI <sup>(2)</sup>	Constituents w/ SSL <sup>(2)</sup>	Total # of Samples in Each Monitoring Program <sup>(3)</sup>				
						Detection	Assessment	Corrective Action	Delineation	Background
<b>Background Monitoring Locations</b>										
MW-9AR	Unweathered Glacial Till - Sandy Lean Clay with Sand Seams	Background	No Change	None	N/A	0	0	0	0	16
MW-201B	Unweathered Glacial Till - Sandy Lean Clay with Sand Seams	Background	No Change	None	N/A	0	0	0	0	27
<b>Potential Background Expansion <sup>(7)</sup></b>										
MW-204A	Alluvium - Lean Clay with Sand Seams	Background	No Change	None	N/A					2
MW-204B	Alluvium - Silty Sand	Background	No Change	None	N/A					2
MW-213A	Alluvium - Silty Sand	Background	No Change	None	N/A					2
MW-213B	Alluvium - Silty Sand	Background	No Change	None	N/A					2
MW-214	Erosion Surface to Weathered/Unweathered Glacial Till - Silty Sand to Sandy Lean Clay to Sandy Lean Clay with Sand Seams	Background	No Change	None	N/A					14
MW-215	Alluvium - Silty Sand & Sandy Lean Clay	Background	No Change	None	N/A					14
MW-218	Alluvium - Sand with Clay & Sandy Silt with Clay	Background	No Change	None	N/A					2

Comments:

N/A= not applicable

<sup>(1)</sup> Current Monitoring Program is from the last event the location was sampled (i.e., Fall 2024 event).

<sup>(2)</sup> SSIs and SSLs are from the Fall 2024 statistical evaluation.

<sup>(3)</sup> The total number of samples under detection, assessment, corrective action, delineation, and background 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. In 2024, the total number of samples utilized the number reported in the 2023 AWQR (HDR, 2024a) plus the three sampling events conducted in Apr., May (at select locations), and Sep. 2024.

<sup>(4)</sup> As discussed in Table 8, compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 starting with the Spring 2024 statistical evaluation and remained during the Fall 2024 statistical evaluation. In addition, compliance with the GWPS was newly achieved for benzene in MW-20 during the Fall 2024 statistical evaluation. Therefore, SSLs were not listed for these corrective action constituents.

<sup>(5)</sup> SSIs were declared for cobalt, nickel, and zinc in MW-501 in Sep. 2024. Additional discussion is provided in Table 6.

<sup>(6)</sup> Monitoring was initiated at MW-502 in Mar. 2021 to establish baseline intrawell background. Compliance monitoring under the detection monitoring program will be initiated at MW-502 following the future construction of Phase 5B (HDR, 2021).

<sup>(7)</sup> In May 2024, MW-204A, MW-204B, MW-213A, MW-213B, and MW-218 were monitored for the Appendix I metals, TSS, and other indicator parameters to evaluate for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024) for MW-304R and MW-501. In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored for the Appendix I list and TSS to continue evaluation for background expansion. Note that MW-214 and MW-215 were previously included in the background monitoring network and had been monitored for the Appendix I and detected Appendix II constituents between Apr. 2015 and Mar. 2021. These locations were not added to the background monitoring network at this time. These locations will be monitored in Spring 2025 to continue to evaluate for background expansion and/or support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024). An update will be provided in the Spring 2025 Statistical Report.

**Table 2**  
**Monitoring Program Implementation Schedule**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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Monitoring Location	Monitoring Program	Sampling Date and Constituents <sup>(1)</sup>			Upcoming Sampling Dates and Constituents <sup>(1)</sup>			Full Appendix II Sample Dates	
		Apr. 2024	May 2024	Sep. 2024	Winter 2025	Spring 2025	Fall 2025	Previously Collected	Next Event <sup>(1)</sup>
<b>Underdrain Monitoring Locations</b>									
GU-1	Detection	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
GU-L	Detection	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
GU-O	Detection	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
GU-P	Detection	Appendix I, TSS		Appendix I, TSS	Zinc <sup>(2)</sup>	Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
<b>Downgradient Monitoring Locations</b>									
MW-15	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2010, Sep. 2010, Sep. 2011, Dec. 2017, Oct. 2022	Fall 2027
MW-18	Corrective Action	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2009, Sep. 2010, Sep. 2011, Oct. 2017, Oct. 2022	Fall 2027
MW-19	Corrective Action	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2009, Sep. 2010, Sep. 2011, Nov. 2016, Oct. 2021	Fall 2026
MW-20	Corrective Action	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2009, Sep. 2010, Sep. 2011, Nov. 2016, Oct. 2021	Fall 2026
MW-22	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2010, Sep. 2010, Sep. 2011, Nov. 2016, Oct. 2021	Fall 2026
MW-24	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Jun. 2010, Aug. 2010, Sep. 2010, Dec. 2010, Sep. 2011, Dec. 2017, Oct. 2022	Fall 2027
MW-26A	Assessment	Full Appendix II, TSS <sup>(3)</sup>	2,4,5-TP, Arsenic, TSS <sup>(4)</sup>	Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2010, Sep. 2010, Mar. 2011, Jun. 2011, Jul. 2018, Nov. 2018, Apr. 2024	Spring 2029
MW-300	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Jun. 2011, Sep. 2011, Dec. 2011, Mar. 2012, Nov. 2016, Oct. 2021	Fall 2026
MW-301	Corrective Action	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Jun. 2011, Sep. 2011, Dec. 2011, Mar. 2012, Dec. 2014, Nov. 2016, Oct. 2021	Fall 2026
MW-302R	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Dec. 2017, Oct. 2022	Fall 2027
MW-303	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Dec. 2021	Fall 2026
MW-304R	Assessment	Full Appendix II, TSS <sup>(3)</sup>	Cobalt, TSS, ASD Parameters <sup>(5)</sup>	Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	May 2019, Apr. 2024	Spring 2029
MW-305	Assessment	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Dec. 2017, Oct. 2022	Fall 2027
MW-501	Detection	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
MW-502	Future Detection <sup>(7)</sup>	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Detection Monitoring	N/A
<b>Delineation Monitoring Locations</b>									
MW-29	Delineation	Benzene, Cobalt, TSS		Benzene, Cobalt, TSS		Benzene, Cobalt, TSS	Benzene, Cobalt, TSS	N/A - Delineation Monitoring	N/A
MW-30	Delineation	Benzene, Cobalt, TSS		Benzene, Cobalt, TSS		Benzene, Cobalt, TSS	Benzene, Cobalt, TSS	N/A - Delineation Monitoring	N/A

**Table 2**  
**Monitoring Program Implementation Schedule**  
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Monitoring Location	Monitoring Program	Sampling Date and Constituents <sup>(1)</sup>			Upcoming Sampling Dates and Constituents <sup>(1)</sup>			Full Appendix II Sample Dates	
		Apr. 2024	May 2024	Sep. 2024	Winter 2025	Spring 2025	Fall 2025	Previously Collected	Next Event
<b>Delineation Monitoring Locations Continued</b>									
MW-306	Delineation	Benzene, Cobalt, TSS		Benzene, Cobalt, TSS		Benzene, Cobalt, TSS	Benzene, Cobalt, TSS	N/A - Delineation Monitoring	N/A
MW-307A	Delineation	Benzene, Cobalt, TSS		Benzene, Cobalt, TSS		Benzene, Cobalt, TSS	Benzene, Cobalt, TSS	N/A - Delineation Monitoring	N/A
<b>Background Monitoring Locations</b>									
MW-9AR	Background	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Oct. 2016	Fall 2026
MW-201B	Background	Appendix II, TSS		Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Nov. 2018	Fall 2026
<b>Potential Background Expansion <sup>(8)</sup></b>									
MW-204A	Background	N/A	App. I Metals, TSS, ASD Parameters <sup>(8)</sup>	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-204B	Background	N/A	App. I Metals, TSS, ASD Parameters <sup>(8)</sup>	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-213A	Background	N/A	App. I Metals, TSS, ASD Parameters <sup>(8)</sup>	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-213B	Background	N/A	App. I Metals, TSS, ASD Parameters <sup>(8)</sup>	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-214	Background	N/A		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-215	Background	N/A		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A
MW-218	Background	N/A	App. I Metals, TSS, ASD Parameters <sup>(8)</sup>	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A	N/A

Comments:

ASD = alternative source demonstration

N/A = not applicable

TSS = total suspended solids

<sup>(1)</sup> Unless otherwise noted, Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Apr. and Sep. 2024, and will be sampled for the Appendix I and detected Appendix II constituents in Spring and Fall 2025. In accordance with Permit Special Provision X.4.f, resampling for the full Appendix II list at assessment and corrective action monitoring wells is conducted every five years. While not required for compliance reasons, consideration will be given to sampling for the full Appendix II list at the background monitoring locations when the assessment and corrective action monitoring wells are resampled.

<sup>(2)</sup> As detailed in Table 6, an intrawell prediction limit exceedance was identified for zinc in GU-O during the Fall 2024 statistical evaluation. A retest sample will be collected for zinc in GU-O prior to the next semiannual sampling event.

<sup>(3)</sup> In accordance with Permit Special Provision X.4.f., the five-year resampling of the full Appendix II list was conducted at MW-26A and MW-304R in Apr. 2024.

<sup>(4)</sup> During the Spring 2024 statistical evaluation, an interwell prediction limit exceedance was identified for arsenic and a single double quantification rule (DQR) detection was identified for 2,4,5-TP (silvex) at MW-26. A retest sample was collected for arsenic and 2,4,5-TP (silvex) at MW-26 in May 2024.

<sup>(5)</sup> During the Spring 2024 statistical evaluation, a statistically significant level (SSL) above the groundwater protection standard (GWPS) was identified for cobalt at assessment monitoring well MW-304R. An ASD was initiated in accordance with Iowa Administrative Code (IAC)113.10(6)g(2). In May 2024, a retest sample was collected for cobalt and TSS at MW-304R. In addition, iron, manganese, sulfate, and total organic carbon (TOC) were analyzed to support the ASD. The results are discussed in the *Alternative Source Demonstration: Spring 2024 (HDR, 2024b)*



**Table 2**  
**Monitoring Program Implementation Schedule**  
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Comments Continued:

<sup>(6)</sup> During the Spring 2024 statistical evaluation, interwell or intrawell prediction limit exceedances were identified for arsenic, beryllium, cadmium, cobalt, lead, nickel, vanadium, and zinc at detection monitoring well MW-501. An ASD was initiated in accordance with Iowa Administrative Code (IAC)113.10(6)g(2). A retest sample was collected for the Appendix I metals and TSS at MW-501 in May 2024. In addition, MW-501 was sampled for field-filtered Appendix I metals, total iron and manganese, dissolved iron and manganese, and total dissolved solids (TDS) to assess the impact of observed flocculated solids during the Spring 2024 event and to support the ASD. The results are discussed in the *Alternative Source Demonstration: Spring 2024* (HDR, 2024b)

<sup>(7)</sup> Monitoring was initiated at MW-502 in Mar. 2021 to establish baseline intrawell background. MW-502 will continue semiannual monitoring for the Appendix I list to build intrawell background. Compliance monitoring under the detection monitoring program will be initiated at MW-502 following the future construction of Phase 5B (HDR, 2021).

<sup>(8)</sup> In May 2024, MW-204A, MW-204B, MW-213A, MW-213B, and MW-218 were monitored for the Appendix I metals, TSS, and other indicator parameters to evaluate for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024) for MW-304R and MW-501. In September 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored for the Appendix I list and TSS to continue evaluation for background expansion. These locations were not added to the background monitoring network at this time. These locations will be monitored in Spring 2025 to continue to evaluate for background expansion and/or support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024). An update will be provided in the Spring 2025 Statistical Report. The other indicator parameters analyzed in May 2024 included:

- MW-204A: iron, manganese, sulfate, and TOC.
- MW-204B: filtered Appendix I metals, dissolved and total iron, dissolved and total manganese, sulfate, and TOC.
- MW-213A: iron, manganese, sulfate, and TOC.
- MW-213B: iron, manganese, sulfate, and TOC.
- MW-218: iron, manganese, sulfate, and TOC.

**Table 3**  
**Monitoring Well Maintenance and Performance Reevaluation Schedule**  
**2024 Annual Water Quality Report**  
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Compliance with:	2018	2019	2020	2021	2022	2023	2024	2025
567 IAC 113.10(2)f(1): High and low water levels (semiannual)		Completed		Completed		Completed		Scheduled
567 IAC 113.10(2)f(2): Changes in the hydrologic setting and flow paths		Completed		Completed		Completed		Scheduled
567 IAC 113.10(2)f(3): Well depths	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Scheduled
567 IAC 113.10(2)f(4): Well recharge rates and chemistry		Completed		Completed		Completed		Scheduled
567 IAC 113.6(2)i: Waste separation from ground water	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Scheduled

Comments:

- Groundwater elevations and measured well depths are shown in Table 4A and in the field sampling forms. The April and May 2024 field sampling forms were provided in Attachment 1 of the *Spring 2024 Statistical Notifications* (HDR, 2024c). The September 2024 field sampling forms are provided in Appendix A of this 2024 Annual Water Quality Report.
- Waste separation from groundwater is shown on Table 4B.

**Table 4A**  
**Monitoring Well Maintenance and Performance Summary**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements			Maximum Depth Discrepancy (feet)
					Apr. 2024	May 2024	Sep. 2024	
<b>Downgradient Monitoring Locations</b>								
MW-15	820.16	809.70	20.46	Groundwater Level (feet bTOC)	7.44	—	9.09	-0.12
				Groundwater Elevation (feet amsl)	812.72	—	811.07	
				Measured Well Depth (feet bTOC)	20.58	—	20.46	
				Submerged Screen	Y	—	Y	
MW-18	830.04	820.40	19.64	Groundwater Level (feet bTOC)	7.77	—	9.38	-0.29
				Groundwater Elevation (feet amsl)	822.27	—	820.66	
				Measured Well Depth (feet bTOC)	19.93	—	19.64	
				Submerged Screen	Y	—	Y	
MW-19	847.13	837.59	19.54	Groundwater Level (feet bTOC)	6.35	—	7.84	-0.23
				Groundwater Elevation (feet amsl)	840.78	—	839.29	
				Measured Well Depth (feet bTOC)	19.77	—	19.54	
				Submerged Screen	Y	—	Y	
MW-20	822.25	810.20	22.76	Groundwater Level (feet bTOC)	10.88	—	11.63	-0.26
				Groundwater Elevation (feet amsl)	811.37	—	810.62	
				Measured Well Depth (feet bTOC)	23.02	—	22.76	
				Submerged Screen	Y	—	Y	
MW-22	834.04	827.36	16.68	Groundwater Level (feet bTOC)	2.48	—	3.04	0.42
				Groundwater Elevation (feet amsl)	831.56	—	831.00	
				Measured Well Depth (feet bTOC)	16.26	—	16.68	
				Submerged Screen	Y	—	Y	
MW-24	820.27	811.70	12.71	Groundwater Level (feet bTOC)	9.12	—	10.71	-0.18
				Groundwater Elevation (feet amsl)	811.15	—	809.56	
				Measured Well Depth (feet bTOC)	12.89	—	12.71	
				Submerged Screen	N	—	N	
MW-26A	828.26	813.46	19.80	Groundwater Level (feet bTOC)	17.65	16.59	18.61	-0.29
				Groundwater Elevation (feet amsl)	810.61	811.67	809.65	
				Measured Well Depth (feet bTOC)	20.09	20.09	20.09	
				Submerged Screen	N	N	N	
MW-300	855.57	849.19	16.38	Groundwater Level (feet bTOC)	6.40	—	7.58	0.14
				Groundwater Elevation (feet amsl)	849.17	—	847.99	
				Measured Well Depth (feet bTOC)	16.24	—	16.38	
				Submerged Screen	N	—	N	
MW-301	824.10	812.47	20.10	Groundwater Level (feet bTOC)	11.67	—	12.92	-0.23
				Groundwater Elevation (feet amsl)	812.43	—	811.18	
				Measured Well Depth (feet bTOC)	20.33	—	20.10	
				Submerged Screen	N	—	N	
MW-302R	823.05	804.99	28.06	Groundwater Level (feet bTOC)	5.52	—	2.92	-0.06
				Groundwater Elevation (feet amsl)	817.53	—	820.13	
				Measured Well Depth (feet bTOC)	28.12	—	28.06	
				Submerged Screen	Y	—	Y	
MW-303	826.76	817.91	20.85	Groundwater Level (feet bTOC)	16.65	—	17.39	-0.21
				Groundwater Elevation (feet amsl)	810.11	—	809.37	
				Measured Well Depth (feet bTOC)	21.06	—	20.85	
				Submerged Screen	N	—	N	
MW-304R	834.09	814.59	29.59	Groundwater Level (feet bTOC)	25.67	24.65	23.71	-0.05
				Groundwater Elevation (feet amsl)	808.42	809.44	810.38	
				Measured Well Depth (feet bTOC)	29.64	29.61	29.59	
				Submerged Screen	N	N	N	
MW-305	826.76	809.77	31.99	Groundwater Level (feet bTOC)	14.92	—	13.60	-0.27
				Groundwater Elevation (feet amsl)	811.84	—	813.16	
				Measured Well Depth (feet bTOC)	32.26	—	31.99	
				Submerged Screen	Y	—	Y	

**Table 4A**  
**Monitoring Well Maintenance and Performance Summary**  
**2024 Annual Water Quality Report**  
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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements			Maximum Depth Discrepancy (feet)
					Apr. 2024	May 2024	Sep. 2024	
<b>Downgradient Monitoring Locations</b>								
MW-501	830.87	818.95	35.92	Groundwater Level (feet bTOC)	15.13	14.05	15.82	0.16
				Groundwater Elevation (feet amsl)	815.74	816.82	815.05	
				Measured Well Depth (feet bTOC)	35.78	35.76	35.92	
				Submerged Screen	N	N	N	
MW-502	842.85	817.07	35.78	Groundwater Level (feet bTOC)	31.56	—	32.28	-0.32
				Groundwater Elevation (feet amsl)	811.29	—	810.57	
				Measured Well Depth (feet bTOC)	36.10	—	36.10	
				Submerged Screen	N	—	N	
<b>Delineation Monitoring Locations</b>								
MW-29	819.26	811.63	17.14	Groundwater Level (feet bTOC)	7.45	—	8.49	-0.24
				Groundwater Elevation (feet amsl)	811.81	—	810.77	
				Measured Well Depth (feet bTOC)	17.38	—	17.14	
				Submerged Screen	Y	—	N	
MW-30	818.74	811.16	17.21	Groundwater Level (feet bTOC)	7.06	—	8.42	-0.27
				Groundwater Elevation (feet amsl)	811.68	—	810.32	
				Measured Well Depth (feet bTOC)	17.48	—	17.21	
				Submerged Screen	Y	—	N	
MW-306	821.40	812.49	22.91	Groundwater Level (feet bTOC)	10.35	—	10.96	0.22
				Groundwater Elevation (feet amsl)	811.05	—	810.44	
				Measured Well Depth (feet bTOC)	22.69	—	22.91	
				Submerged Screen	N	—	N	
MW-307A	822.41	811.78	20.63	Groundwater Level (feet bTOC)	9.95	—	10.60	0.19
				Groundwater Elevation (feet amsl)	812.46	—	811.81	
				Measured Well Depth (feet bTOC)	20.44	—	20.63	
				Submerged Screen	Y	—	Y	
<b>Background Monitoring Locations</b>								
MW-9AR	863.70	851.60	22.09	Groundwater Level (feet bTOC)	7.17	—	8.20	-0.04
				Groundwater Elevation (feet amsl)	856.53	—	855.50	
				Measured Well Depth (feet bTOC)	22.13	—	22.09	
				Submerged Screen	Y	—	Y	
MW-201B	871.06	818.41	62.65	Groundwater Level (feet bTOC)	9.59	—	21.90	-0.20
				Groundwater Elevation (feet amsl)	861.47	—	849.16	
				Measured Well Depth (feet bTOC)	62.85	—	62.65	
				Submerged Screen	Y	—	Y	

Comments:

amsl = above mean sea level  
bTOC = below top of casing

Well Depths:

• In accordance with IAC 113.10(2)f(3), well depth measurements were collected in 2024. The 2024 well depths are within half of a foot of the original well depths, which indicates the wells are physically intact and not filling with sediment. No maintenance activities are recommended based on review of the 2024 well depth information.

**Table 4B**  
**Groundwater Separation Distance Evaluation**  
**2024 Annual Water Quality Report**  
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Well	Unit	Date	Bottom of Waste Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Groundwater Separation Distance (feet)	Acceptable (Yes/No)
<b>Groundwater Separation Distance Piezometers</b>						
GU-1	13-Acre Cell	Apr. 2024	820.00	812.56	7.44	Yes
		Sep. 2024	820.00	812.21	7.79	Yes
PZ-P1	Phases 1-2	Apr. 2024	770.45	762.40	8.05	Yes
		Sep. 2024	770.45	762.40	8.05	Yes
PZ-P3	Phases 3-4	Mar. 2024	772.60	765.06	7.54	Yes
		Sep. 2024	772.60	765.16	7.44	Yes
PZ-P5A	Phase 5A	Apr. 2024	769.22	761.25	7.97	Yes
		Sep. 2024	769.22	761.82	7.40	Yes

Comments:

amsl = above mean sea level

- The contents of this table are intended to satisfy the requirements set forth in 567 IAC 113.6(2)i and Permit Special Provision X.4.i.
- Groundwater elevations are measured at the GU-1 underdrain sump by measuring depth to water and by using dedicated transducers at PZ-P1, PZ-P3, and PZ-P5A.
- The minimum five-foot separation distance was maintained at the 13-Acre Cell and Phases 1-5A in 2024.

**Table 5**  
**Background and GWPS Summary**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Constituent <sup>(1)</sup>	CAS #	Units	Samples	Detections <sup>(2)</sup>	Min <sup>(3)</sup>	Max <sup>(3)</sup>	Mean <sup>(3)</sup>	Note	Background Level	Statistical Test	GWPS	Source <sup>(4)</sup>
<b>Intrawell Background/GWPS (Oct. 2015 - Apr. 2022) - GU-1</b>												
2-Butanone	78-93-3	ug/L	15	4	2.37 J	5.0 (1/2 RL)	4.389	J-Flagged Only	10.0 (RL)	DQR	4,000	SS
Acetone	67-64-1	ug/L	18	15	3.17 J	40.6	8.484		10.0 (RL)	DQR	6,300	SS
Arsenic	7440-38-2	mg/L	18	18	0.00173 J	0.0789	0.01431		0.1154	Parametric (Lognormal, 1-of-2)	0.01	MCL
Barium	7440-39-3	mg/L	18	18	0.331	1.44	0.7272		1.52	Parametric (Normal, 1-of-2)	2	MCL
Benzene	71-43-2	ug/L	16	12	0.202 J	0.945	0.3664		0.50 (RL)	DQR	5	MCL
Beryllium	7440-41-7	mg/L	17	1	0.000083 J	0.0005 (1/2 RL)	0.0004755	J-Flagged Only	0.001 (RL)	DQR	0.004	MCL
Bromomethane	74-83-9	ug/L	15	2	0.222 J	2.5 (1/2 RL)	1.81	J-Flagged Only	4.00 (RL)	DQR	10	SS
Chloromethane	74-87-3	ug/L	15	1	0.341 J	1.5 (1/2 RL)	1.423	J-Flagged Only	3.00 (RL)	DQR	N/A	N/A
Chromium	7440-47-3	mg/L	17	4	0.000603 J	0.01 (1/2 RL)	0.002586	J-Flagged Only	0.005 (RL)	DQR	0.1	MCL
cis-1,2-Dichloroethene	156-59-2	ug/L	15	2	0.181 J	0.5 (1/2 RL)	0.4584	J-Flagged Only	1.00 (RL)	DQR	70	MCL
Cobalt	7440-48-4	mg/L	18	18	0.0013	0.0198	0.004934		0.02268	Parametric (Lognormal, 1-of-2)	0.0021	SS
Copper	7440-50-8	mg/L	16	2	0.000748 J	0.0025 (1/2 RL)	0.00236	J-Flagged Only	0.005 (RL)	DQR	1.3	MCL
Lead	7439-92-1	mg/L	15	3	0.00025 (1/2 RL)	0.000943	0.0003099		0.000943	Non-Parametric (1-of-2)	0.015	MCL
Methylene Chloride	75-09-2	ug/L	15	4	0.224 J	2.5 (1/2 RL)	1.948	J-Flagged Only	5.00 (RL)	DQR	5	MCL
Nickel	7440-02-0	mg/L	18	18	0.0236	0.0629	0.04862		0.07035	Parametric (Normal, 1-of-2)	0.1	SS
Selenium	7782-49-2	mg/L	15	1	0.00125 J	0.0025 (1/2 RL)	0.002417	J-Flagged Only	0.005 (RL)	DQR	0.05	MCL
Silver	7440-22-4	mg/L	17	1	0.000222 J	0.0005 (1/2 RL)	0.0004836	J-Flagged Only	0.001 (RL)	DQR	0.1	SS
Thallium	7440-28-0	mg/L	17	2	0.000048 J	0.000817 J	0.0004921	J-Flagged Only	0.001 (RL)	DQR	0.002	MCL
Total Suspended Solids	TSS	mg/L	18	17	0.94 (1/2 RL)	836	162.84		N/A	N/A	N/A	N/A
Vanadium	7440-62-2	mg/L	17	3	0.000278 J	0.025 (1/2 RL)	0.003624	J-Flagged Only	0.005 (RL)	DQR	0.035	SS
Vinyl Chloride	75-01-4	ug/L	15	2	0.235 J	0.5 (1/2 RL)	0.4685	J-Flagged Only	1.00 (RL)	DQR	2	MCL
Zinc	7440-66-6	mg/L	17	6	0.005 (1/2 RL)	0.02	0.01155		0.02	Non-Parametric (1-of-2)	2	SS
<b>Intrawell Background/GWPS (Oct. 2015 - Apr. 2022) - GU-L</b>												
Acetone	67-64-1	ug/L	14	2	3.28 J	5.0 (1/2 RL)	4.839	J-Flagged Only	10.0 (RL)	DQR	6,300	SS
Antimony	7440-36-0	mg/L	14	3	0.000192 J	0.00111 J	0.0005731	J-Flagged Only	0.002 (RL)	DQR	0.006	MCL
Arsenic	7440-38-2	mg/L	15	8	0.001 (1/2 RL)	0.0069	0.001984		0.0069	Non-Parametric (1-of-2)	0.01	MCL
Barium	7440-39-3	mg/L	14	14	0.0145	0.113	0.04751		0.1122	Parametric (Normal, 1-of-2)	2	MCL
Beryllium	7440-41-7	mg/L	14	1	0.000195 J	0.0005 (1/2 RL)	0.0004782	J-Flagged Only	0.001 (RL)	DQR	0.004	MCL
Chromium	7440-47-3	mg/L	14	1	0.00131 J	0.01 (1/2 RL)	0.002951	J-Flagged Only	0.005 (RL)	DQR	0.1	MCL
Cobalt	7440-48-4	mg/L	15	14	0.000072 J	0.0129	0.003433		0.0129	Non-Parametric (1-of-2)	0.0021	SS
Copper	7440-50-8	mg/L	14	2	0.000705 J	0.0025 (1/2 RL)	0.002355	J-Flagged Only	0.005 (RL)	DQR	1.3	MCL
Iodomethane	74-88-4	ug/L	14	1	5.0 (1/2 RL)	25.0 (1/2 RL)	6.763	J-Flagged Only	10.0 (RL)	DQR	N/A	N/A
Methylene Chloride	75-09-2	ug/L	13	3	0.298 J	2.5 (1/2 RL)	2.038	J-Flagged Only	5.00 (RL)	DQR	5	MCL
Nickel	7440-02-0	mg/L	15	11	0.000967 J	0.0078	0.003872		0.009648	Parametric (Normal, 1-of-2)	0.1	SS
Silver	7440-22-4	mg/L	14	2	0.000144 J	0.01 (1/2 RL)	0.00115	J-Flagged Only	0.001 (RL)	DQR	0.1	SS
Total Suspended Solids	TSS	mg/L	15	12	0.6 (1/2 RL)	70.1	12.22		N/A	N/A	N/A	N/A
Zinc	7440-66-6	mg/L	14	2	0.005 (1/2 RL)	0.0163 J	0.01017	J-Flagged Only	0.02 (RL)	DQR	2	SS

**Table 5**  
**Background and GWPS Summary**  
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**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Constituent <sup>(1)</sup>	CAS #	Units	Samples	Detections <sup>(2)</sup>	Min <sup>(3)</sup>	Max <sup>(3)</sup>	Mean <sup>(3)</sup>	Note	Background Level	Statistical Test	GWPS	Source <sup>(4)</sup>
<b>Intrawell Background/GWPS (Apr. 2018 - Jul. 2022) - GU-O</b>												
Arsenic	7440-38-2	mg/L	5	5	0.00235	0.00455	0.003124		<b>0.008109</b>	Parametric (Normal, 1-of-2)	<b>0.01</b>	MCL
Barium	7440-39-3	mg/L	5	5	0.165	0.372	0.2968		<b>0.7554</b>	Parametric (Normal, 1-of-2)	<b>2</b>	MCL
Cadmium	7440-43-9	mg/L	5	1	0.00005 (1/2 RL)	0.00025 (1/2 RL)	0.0000946	J-Flagged Only	<b>0.0001 (RL)</b>	DQR	<b>0.005</b>	MCL
Cobalt	7440-48-4	mg/L	5	5	0.00032 J	0.00115	0.0005896		<b>0.002654</b>	Parametric (Normal, 1-of-2)	<b>0.0021</b>	SS
Methylene Chloride	75-09-2	ug/L	5	1	0.343 J	2.5 (1/2 RL)	2.069	J-Flagged Only	<b>5.00 (RL)</b>	DQR	<b>5</b>	MCL
Total Suspended Solids	TSS	mg/L	5	5	0.94 (1/2 RL)	18.3	34.9		<b>N/A</b>	N/A	<b>N/A</b>	N/A
Vinyl Chloride	75-01-4	ug/L	5	3	0.251 J	0.5 (1/2 RL)	0.4014	J-Flagged Only	<b>1.00 (RL)</b>	DQR	<b>2</b>	MCL
<b>Intrawell Background/GWPS (Feb. 2022 - Oct. 2022) - GU-P</b>												
Arsenic	7440-38-2	mg/L	4	4	0.00175 J	0.00309	0.002273		<b>0.006706</b>	Parametric (Normal, 1-of-2)	<b>0.01</b>	MCL
Barium	7440-39-3	mg/L	4	4	0.267	0.298	0.2903		<b>0.298</b>	Non-Parametric (1-of-2)	<b>2</b>	MCL
Chromium	7440-47-3	mg/L	4	1	0.00117 J	0.0025 (1/2 RL)	0.002167	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>0.1</b>	MCL
Cobalt	7440-48-4	mg/L	4	4	0.00079	0.0013	0.00113		<b>0.002872</b>	Parametric (Normal, 1-of-2)	<b>0.0021</b>	SS
Lead	7439-92-1	mg/L	4	1	0.00025 (1/2 RL)	0.000526	0.000319		<b>0.000526</b>	Non-Parametric (1-of-2)	<b>0.015</b>	MCL
Nickel	7440-02-0	mg/L	4	1	0.00199 J	0.0025 (1/2 RL)	0.002372	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>0.1</b>	SS
Total Suspended Solids	TSS	mg/L	4	4	5.33	56.5	21.83		<b>N/A</b>	N/A	<b>N/A</b>	N/A
Vanadium	7440-62-2	mg/L	4	1	0.00173 J	0.0025 (1/2 RL)	0.002307	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>0.035</b>	SS
<b>Intrawell Background/GWPS (Mar. 2021 - Apr. 2022) - MW-501</b>												
Antimony	7440-36-0	mg/L	5	1	0.001 (1/2 RL)	0.00191 J	0.001182	J-Flagged Only	<b>0.002 (RL)</b>	DQR	<b>0.006</b>	MCL
Arsenic	7440-38-2	mg/L	5	4	0.001 (1/2 RL)	0.0126	0.004518		<b>0.02857</b>	Parametric (Normal, 1-of-2)	<b>0.01</b>	MCL
Barium	7440-39-3	mg/L	5	5	0.0342	0.0541	0.04696		<b>0.09243</b>	Parametric (Normal, 1-of-2)	<b>2</b>	MCL
Beryllium	7440-41-7	mg/L	5	1	0.000274 J	0.0005 (1/2 RL)	0.0004548	J-Flagged Only	<b>0.001 (RL)</b>	DQR	<b>0.004</b>	MCL
Cadmium	7440-43-9	mg/L	5	3	0.00005 (1/2 RL)	0.000213	0.000092		<b>0.0004318</b>	Parametric (Normal, 1-of-2)	<b>0.005</b>	MCL
Cobalt	7440-48-4	mg/L	5	5	0.00363	0.0055	0.0048		<b>0.009624</b>	Parametric (Normal, 1-of-2)	<b>0.0021</b>	SS
Copper	7440-50-8	mg/L	5	1	0.00186 J	0.0025 (1/2 RL)	0.002372	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>1.3</b>	MCL
Lead	7439-92-1	mg/L	5	2	0.00025 (1/2 RL)	0.00234	0.000745		<b>0.00234</b>	Non-Parametric (1-of-2)	<b>0.015</b>	MCL
Nickel	7440-02-0	mg/L	5	5	0.00576	0.00927	0.008006	J-Flagged Only	<b>0.01664</b>	Parametric (Normal, 1-of-2)	<b>0.1</b>	SS
Total Suspended Solids	TSS	mg/L	5	5	7.13	72	27.20		<b>N/A</b>	N/A	<b>N/A</b>	N/A
Vanadium	7440-62-2	mg/L	4	1	0.0011 J	0.0025 (1/2 RL)	0.00215	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>0.035</b>	SS
<b>Interwell Background/GWPS (Apr. 2015 - Sep. 2024) - Downgradient and Delineation Monitoring Locations</b>												
Acetone	67-64-1	ug/L	35	1	4.08 J	5.0 (1/2 RL)	4.974	J-Flagged Only	<b>10.0 (RL)</b>	DQR	<b>6,300</b>	SS
Antimony	7440-36-0	mg/L	35	15	0.000373 J	0.0023	0.0009577		<b>0.0023</b>	Non-Parametric (1-of-2)	<b>0.006</b>	MCL
Arsenic	7440-38-2	mg/L	36	32	0.000538 J	0.00866	0.001816		<b>0.005128</b>	Parametric (Lognormal, 1-of-2)	<b>0.01</b>	MCL
Barium	7440-39-3	mg/L	36	36	0.0387	0.575	0.2783		<b>0.575</b>	Non-Parametric (1-of-2)	<b>2</b>	MCL
Beryllium	7440-41-7	mg/L	35	2	0.00006 J	0.0005 (1/2 RL)	0.0004822	J-Flagged Only	<b>0.001 (RL)</b>	DQR	<b>0.004</b>	MCL
Bromomethane	74-83-9	ug/L	36	1	0.286 J	2.5 (1/2 RL)	1.966	J-Flagged Only	<b>4.00 (RL)</b>	DQR	<b>10</b>	SS
Cadmium	7440-43-9	mg/L	23	3	0.00005 (1/2 RL)	0.000139	0.00007326		<b>0.000139</b>	Non-Parametric (1-of-2)	<b>0.005</b>	MCL
Carbon Disulfide	75-15-0	ug/L	35	1	0.18 J	0.5 (1/2 RL)	0.4909		<b>1.00 (RL)</b>	DQR	<b>700</b>	SS

**Table 5**  
**Background and GWPS Summary**  
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Constituent <sup>(1)</sup>	CAS #	Units	Samples	Detections <sup>(2)</sup>	Min <sup>(3)</sup>	Max <sup>(3)</sup>	Mean <sup>(3)</sup>	Note	Background Level	Statistical Test	GWPS	Source <sup>(4)</sup>
<b>Interwell Background/GWPS (Apr. 2015 - Sep. 2024) Continued - Downgradient and Delineation Monitoring Locations</b>												
Chloroform	67-66-3	ug/L	36	1	0.293 J	1.5 (1/2 RL)	1.3	J-Flagged Only	<b>3.00 (RL)</b>	DQR	<b>80</b>	SS
Chromium	7440-47-3	mg/L	36	6	0.00207 J	0.0134	0.003157		<b>0.0134</b>	Non-Parametric (1-of-2)	<b>0.1</b>	MCL
Cobalt	7440-48-4	mg/L	36	28	0.000104 J	0.00288	0.0005733		<b>0.00288</b>	Non-Parametric (1-of-2)	<b>0.00288/0.00631</b>	Background
Copper	7440-50-8	mg/L	33	10	0.00183 J	0.00792	0.002737		<b>0.00792</b>	Non-Parametric (1-of-2)	<b>1.3</b>	MCL
Di-n-octylphthalate	117-84-0	ug/L	3	1	1.66 J	10.3 (1/2 RL)	7.353	J-Flagged Only	<b>20.6 (RL)</b>	DQR	<b>140</b>	SS
Endosulfan I	959-98-8	ug/L	8	1	0.00226 J	0.0174 (1/2 RL)	0.01476	J-Flagged Only	<b>0.033 (RL)</b>	DQR	<b>42</b>	SS
Heptachlor	76-44-8	ug/L	9	1	0.00268 J	0.0478 (1/2 RL)	0.02164	J-Flagged Only	<b>0.0919 (RL)</b>	DQR	<b>0.4</b>	MCL
Lead	7439-92-1	mg/L	36	16	0.000211 J	0.00704	0.0009205		<b>0.00704</b>	Non-Parametric (1-of-2)	<b>0.015</b>	MCL
m/p-Cresol	15831-10-4	ug/L	3	1	0.962 J	5.2 (1/2 RL)	3.771	J-Flagged Only	<b>10.3 (RL)</b>	DQR	<b>70</b>	SS
Methylene Chloride	75-09-2	ug/L	36	2	0.202 J	5.0 (1/2 RL)	2.446	J-Flagged Only	<b>5.00 (RL)</b>	DQR	<b>5</b>	MCL
Nickel	7440-02-0	mg/L	34	10	0.00103 J	0.00561	0.002723		<b>0.00561</b>	Non-Parametric (1-of-2)	<b>0.1</b>	SS
Selenium	7782-49-2	mg/L	32	3	0.000965 J	0.025 (1/2 RL)	0.002341	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>0.05</b>	MCL
Sulfide	18496-25-8	mg/L	31	1	0.1 (1/2 RL)	5.0 (1/2 RL)	0.7768	J-Flagged Only	<b>1.00 (RL)</b>	DQR	<b>N/A</b>	N/A
Thallium	7440-28-0	mg/L	34	4	0.000059 J	0.001 (1/2 RL)	0.00049	J-Flagged Only	<b>0.001 (RL)</b>	DQR	<b>0.002</b>	MCL
Tin	7440-31-5	mg/L	6	1	0.000731 J	0.05 (1/2 RL)	0.01012	J-Flagged Only	<b>0.005 (RL)</b>	DQR	<b>4.2</b>	SS
Total Suspended Solids	TSS	mg/L	35	35	0.875 J	543	41.30		<b>N/A</b>	N/A	<b>N/A</b>	N/A
Vanadium	7440-62-2	mg/L	35	9	0.000981 J	0.00796	0.002579		<b>0.00796</b>	Non-Parametric (1-of-2)	<b>0.035</b>	SS
Xylenes, Total	1330-20-7	ug/L	35	2	0.42 J	1.5 (1/2 RL)	1.441	J-Flagged Only	<b>3.00 (RL)</b>	DQR	<b>10,000</b>	MCL
Zinc	7440-66-6	mg/L	32	5	0.005 (1/2 RL)	0.02	0.01043		<b>0.02</b>	Non-Parametric (1-of-2)	<b>2</b>	SS

**Comments:**

DQR = Double Quantification Rule

N/A = not applicable

RL = reporting limit taken as the laboratory practical quantitation limit (PQL)

<sup>(1)</sup> List contains constituents detected above the laboratory minimum detection limit (MDL) in the intrawell and interwell background data sets after data set adjustments detailed below and in Section 3 of the Fall 2024 statistical evaluation provided in Appendix B were conducted. Background data set adjustments are listed as crossed-out concentrations in Table 19 and were removed from the background data set prior to conducting statistical analyses.

<sup>(2)</sup> The number of detections includes J-flagged data (concentrations above the MDL but below the RL).

<sup>(3)</sup> Non-detect concentrations are included in the calculation of minimum, maximum, and mean; 1/2 the RL was utilized for non-detect concentrations.

<sup>(4)</sup> Sources are either the Maximum Contaminant Level promulgated under Section 1412 of the Safe Drinking Water Act in 40 CFR Part 141 (MCL) or the 567 IAC Chapter 137 Statewide Standards for a Protected Groundwater Source (SS). If background is higher than the MCL or SS, the GWPS is background. Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well. Details are provided below. N/A = not applicable; constituent does not have a MCL or SS and using background as the GWPS is not applicable.

• For the downgradient and background monitoring locations where monitoring was initiated before Apr. 2015, the sampling methodology was modified from high-volume to low-flow or no-purge sampling starting in Apr. 2015. The high-volume results collected before Apr. 2015 were removed before conducting statistical analyses. These data set removals were maintained in the current statistical evaluation. The removed data are listed as crossed-out concentrations in Table 19 and were removed prior to conducting statistical analyses.



**Table 5**  
**Background and GWPS Summary**  
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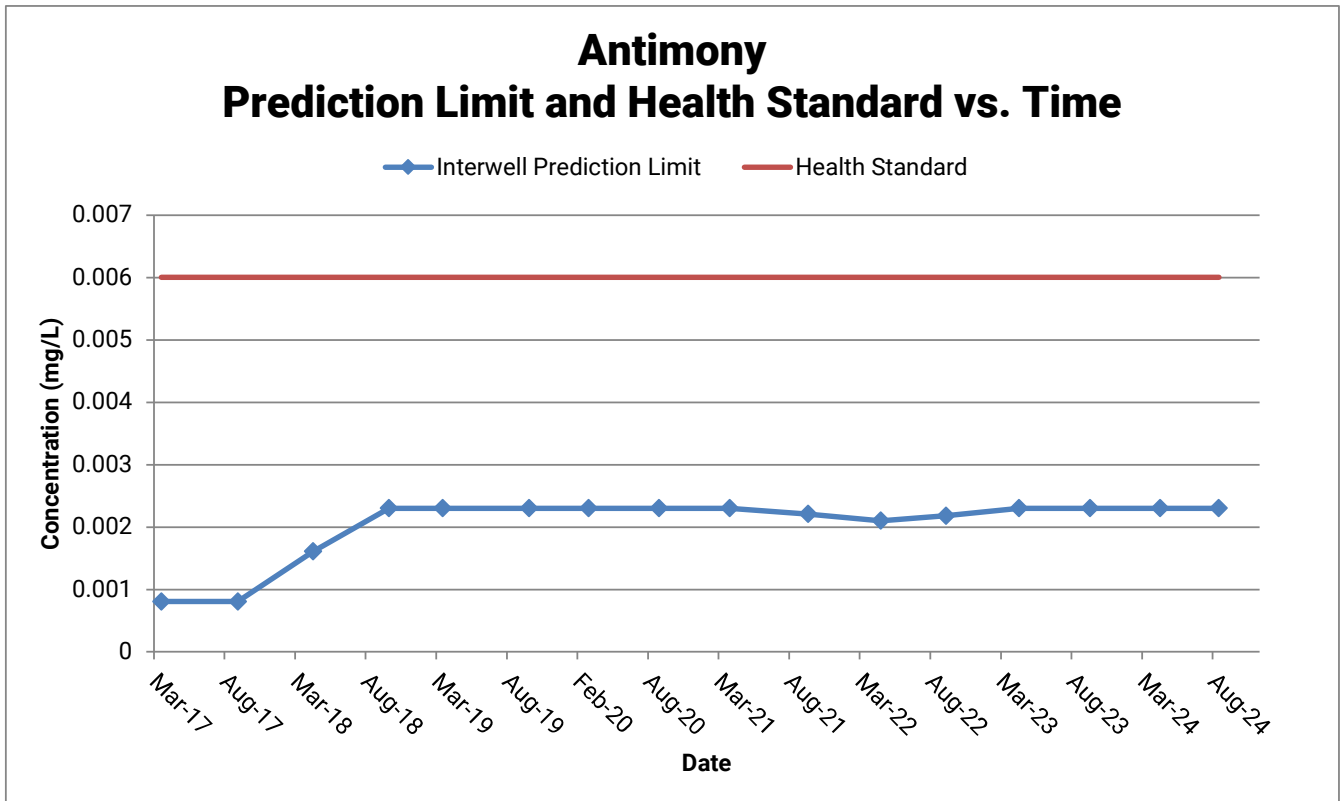
Comments Continued:

- During prior statistical evaluations, the Sanitas database file utilized the method detection limit (MDL) as the reporting limit. Starting with the Fall 2024 statistical evaluation, the reporting limit was updated in the Sanitas database file to the PQL as detailed in Section 3.4 of the Fall 2024 statistical evaluation provided in Appendix B. This change is consistent with the protocols for handling non-detect data outlined in the approved *Hydrologic Monitoring System Plan* (HDR, 2021) and in the *Unified Guidance* (USEPA, 2009).
- The outliers flagged during prior statistical evaluations were maintained in the Fall 2024 evaluation. Outliers are listed as o-flagged and as crossed-out concentrations in Table 19. Outliers are not included in statistical comparisons; therefore, outliers were not included in the samples, detections, min, max, and mean in this table. No outliers were flagged in the Fall 2024 statistical evaluation.
- The background data set and PQLs were reviewed in the Fall 2024 statistical evaluation. This consisted of reviewing the PQLs for constituents used in the intrawell and interwell prediction limit evaluation to determine whether PQLs have been lowered over time and whether some of the earlier non-detect data with elevated PQLs should be removed from the background data due to the increased uncertainty it added. Non-detect background samples with a PQL of at least two times the maximum detected background concentration were recommended for removal. The removed data are listed as crossed-out concentrations in Table 19 and were removed prior to conducting statistical analyses. The background data set adjustments recommended and incorporated based on the review of PQLs
  - Removal of the non-detect lead result with a PQL of 0.004 mg/L at GU-1.
  - Removal of the non-detect antimony result with a PQL of 0.006 mg/L at MW-201B.
  - Removal of the non-detect cadmium results with a PQL of 0.005 mg/L at MW-9AR and MW-201B.
  - Removal of the non-detect copper result with a PQL of 0.02 mg/L at MW-201B.
  - Removal of the non-detect vanadium result with a PQL of 0.05 mg/L at MW-201B.
- Intrawell prediction limits were used to evaluate SSIs over background for analytes detected above the RL in GU-1, GU-L, GU-O, GU-P, and MW-501. The justification for the use of intrawell methods was provided in the approved *Hydrologic Monitoring System Plan* (HDR, 2021). As reported in the *2024 Spring Statistical Report* (HDR, 2024c), GU-1 and GU-L data collected before Oct. 2015 were removed due to elevated reporting limits. The removed data are listed as crossed-out concentrations in Table 19 and were removed from the intrawell background data set prior to conducting statistical analyses. Intrawell background is comprised of:
  - GU-1: Oct. 2015 through Apr. 2022 arsenic, barium, cobalt, lead, nickel, and zinc.
  - GU-L: Oct. 2015 through Apr. 2022 arsenic, barium, cobalt, and nickel.
  - GU-O: Apr. 2018 through Jul. 2022 arsenic, barium, and cobalt.
  - GU-P: Feb. 2022 through Oct. 2022 arsenic, barium, cobalt, and lead.
  - MW-501: Mar. 2021 through Apr. 2022 arsenic, barium, cadmium, cobalt, lead, and nickel.
- Intrawell background was not updated during the Fall 2024 statistical evaluation. Updating intrawell background will be reviewed in the Spring 2025 statistical evaluation.
- Volatile organic compound (VOC) detections above the PQL were identified at GU-1 for acetone (Mar. 2017, Jun. 2017, Oct. 2017, Mar. 2019, Oct. 2021) and benzene (Oct. 2015 and Oct. 2021). Since VOCs are considered "never detected" constituents, acetone and benzene were not added as prediction limit constituents. Acetone and benzene results in GU-1 continue to be evaluated using the DQR.
- For the remaining downgradient and delineation monitoring locations, interwell prediction limits were used to evaluate SSIs over background for analytes detected above the RL in the combined MW-9AR and MW-201B data set. While the intrawell background sizes for GU-P and MW-501 remain lower than the size recommended in the *Unified Guidance* (USEPA, 2009), interwell comparisons were also conducted for zinc in GU-P and at MW-501 for the analytes detected above the RL in the combined MW-9AR and MW-201B data set.
- With cobalt, the concentrations in the interwell background data set exceeded the 567 IAC Chapter 137 Statewide Standard. Therefore, pursuant to 567 IAC 113.10(6)h, the GWPS for cobalt is taken as background and evaluated with the statistical methods described in Attachment 1 of the Fall 2024 Statistical Evaluation (provided in Appendix B) and as recommended in the *Unified Guidance* (USEPA, 2009). Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well.
  - For wells screened in erosion surface or weathered/unweathered glacial till and not located in the Indian Creek floodplain, the confidence limit is compared to the combined MW-9AR and MW-201B background upper tolerance limit with 95% confidence and 95% coverage (discussed in detail in the Fall 2024 Statistical Evaluation in Appendix B). Cobalt Background GWPS = 0.00288 mg/L.
  - For wells screened in alluvium and located in the Indian Creek floodplain, IDNR approved a site-specific cobalt GWPS of 0.00631 mg/L in the letter dated December 23, 2024 (IDNR, 2024). This value was based on the May 2024 cobalt concentration in MW-213A. As listed in Table 2, monitoring for the Appendix I list was conducted at MW-213A in Sep. 2024; however, those results were not included in background at this time. Once at least 3 data points are collected from MW-213A, an interwell tolerance limit with 95% confidence and 95% coverage using the MW-213A background data will be utilized to update the site-specific background GWPS for wells screened in alluvium and located in the Indian Creek floodplain. Note: results from additional existing or newly installed (if applicable) background wells located within the Indian Creek floodplain may also be utilized to develop and update the background data set for wells screened in alluvium and located in the Indian Creek floodplain
- The DQR was used to evaluate SSIs over background for the remaining Appendix I and II constituents (i.e., constituents not evaluated using intrawell or interwell predictions limits).

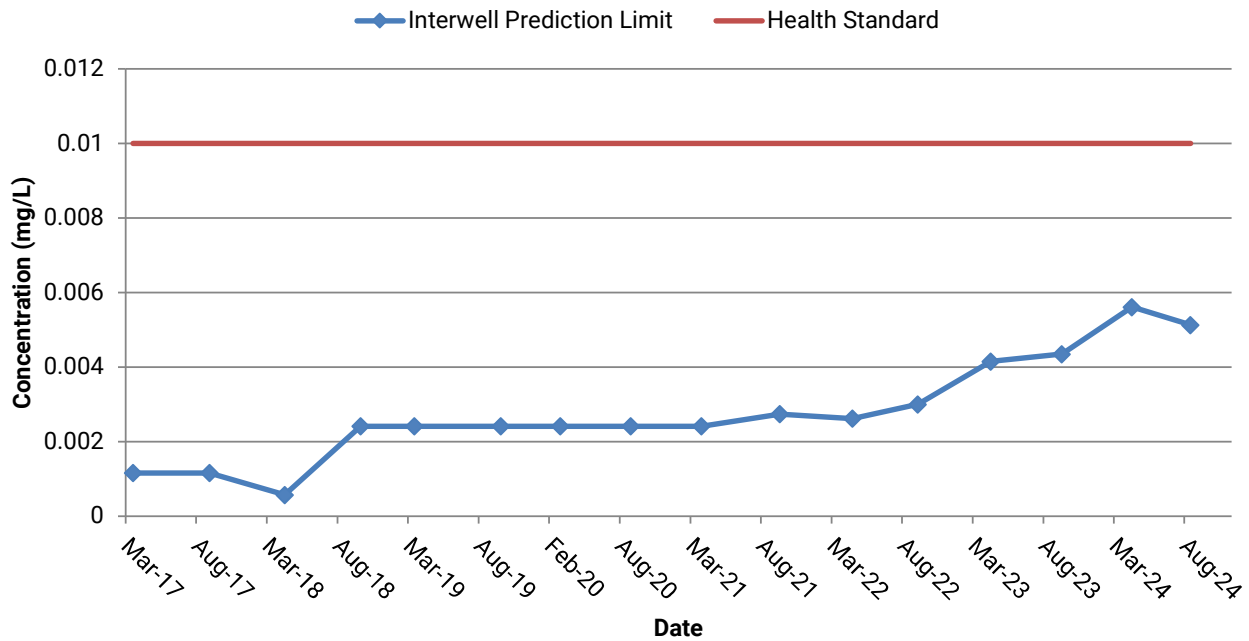
**Summary of Prediction Limits and Health Standards  
2024 Annual Water Quality Report  
Cedar Rapids Linn County Solid Waste Agency Site 2  
Permit No. 57-SDP-01-72P**

Comments:

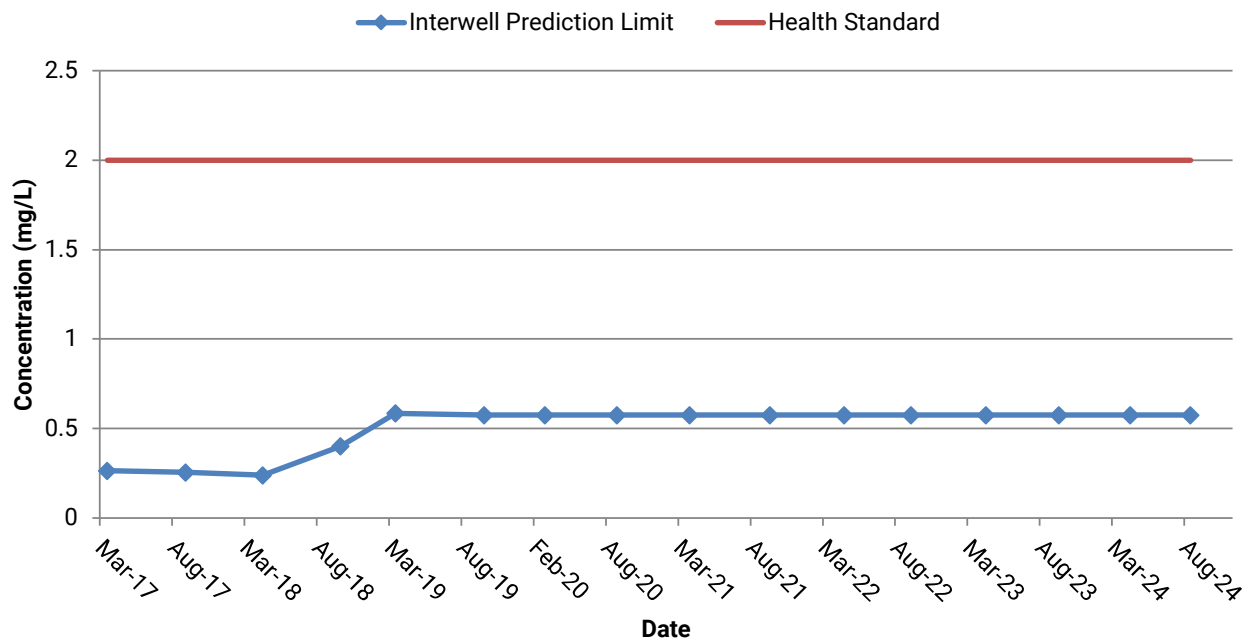
- The following graphs depict the interwell prediction limits starting with the Spring 2017 statistical evaluation. Note that the Spring 2017 statistical evaluation was when the background and downgradient data sets were modified to include only low-flow sampling data. Low flow sampling data includes data collected from Apr. 2015 to the current sampling event. Interwell prediction limits are calculated using pooled data from the background monitoring wells. The Spring 2017 to Fall 2018 statistical evaluations utilized MW-201B, MW-211A, MW-214 and MW-215 as the combined background data set. MW-9AR was added to the background data set in the Spring 2019 statistical evaluation. Starting with the Fall 2021 statistical evaluation, the combined background data set consisted of MW-9AR and MW-201B.
- The sources of the background and health standards are presented in Table 5.
- Graphs comparing the intrawell prediction limits to health standards will be initiated in the 2025 Annual Water Quality Report.



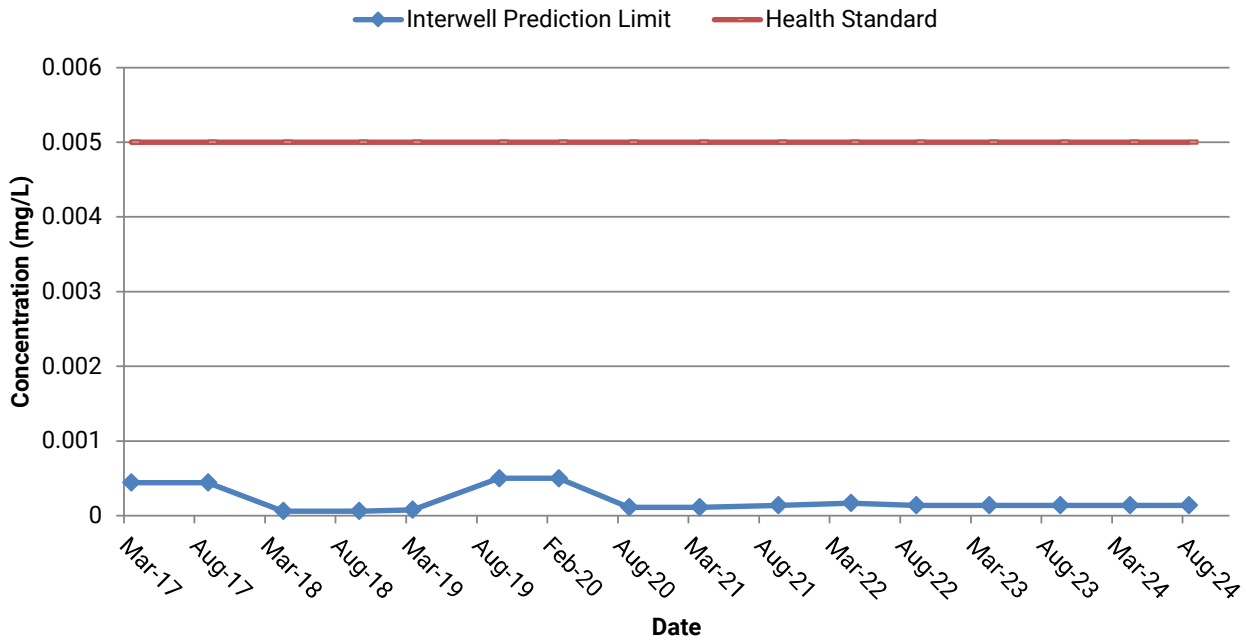
## Arsenic Prediction Limit and Health Standard vs. Time



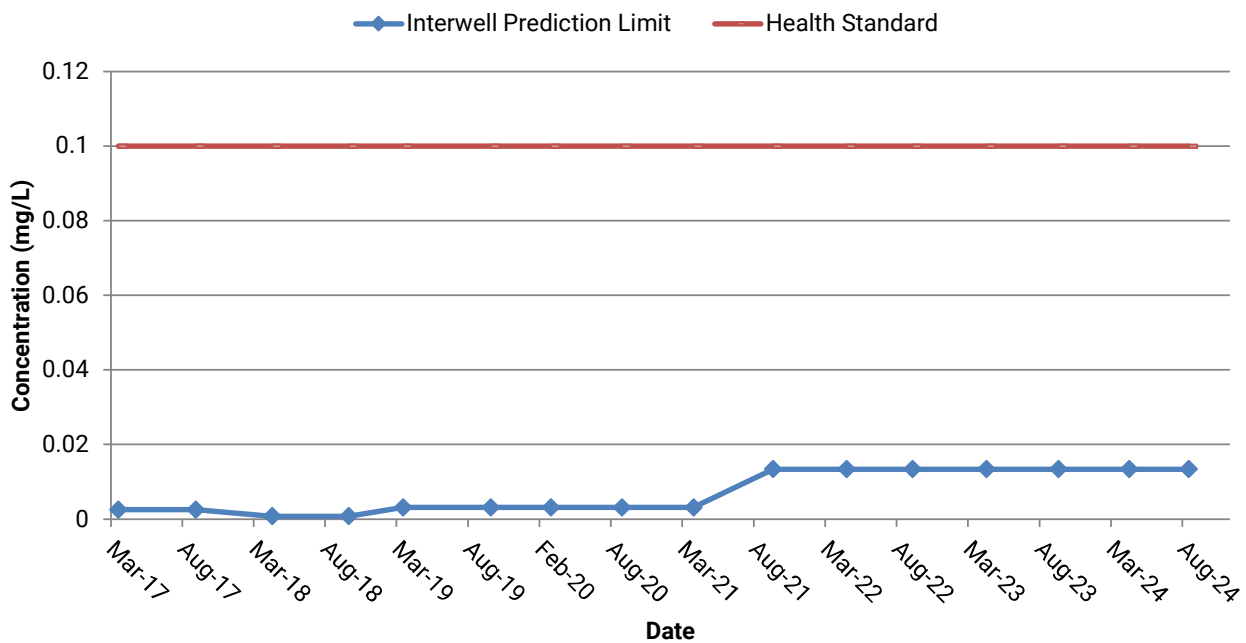
## Barium Prediction Limit and Health Standard vs. Time



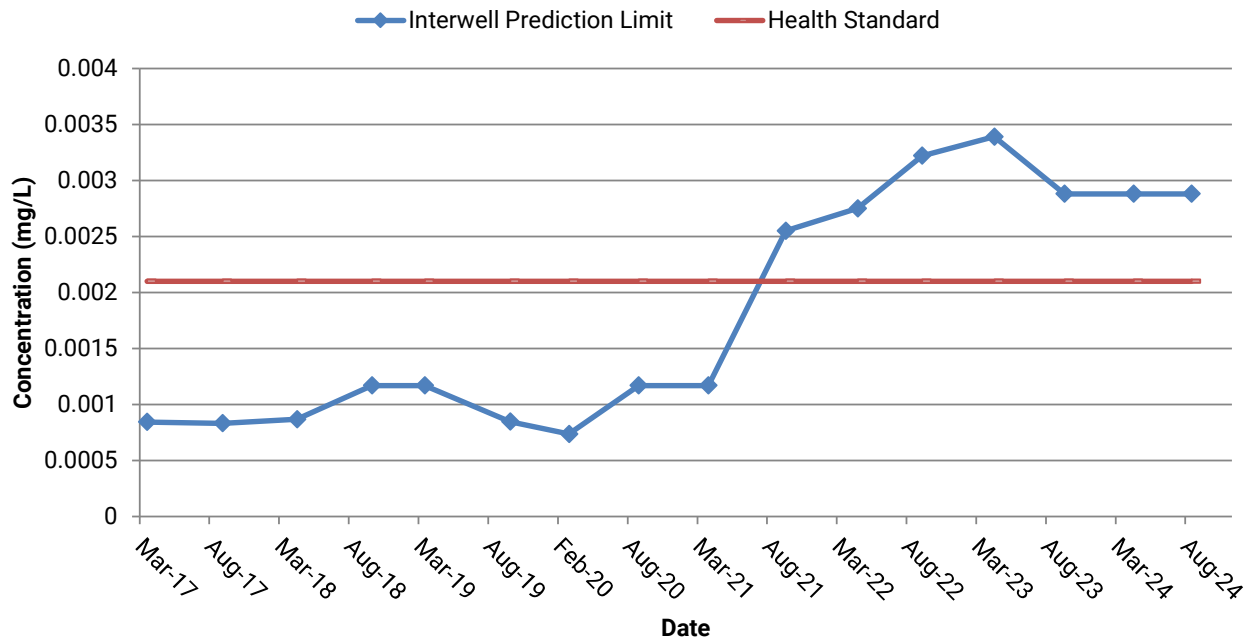
## Cadmium Prediction Limit and Health Standard vs. Time



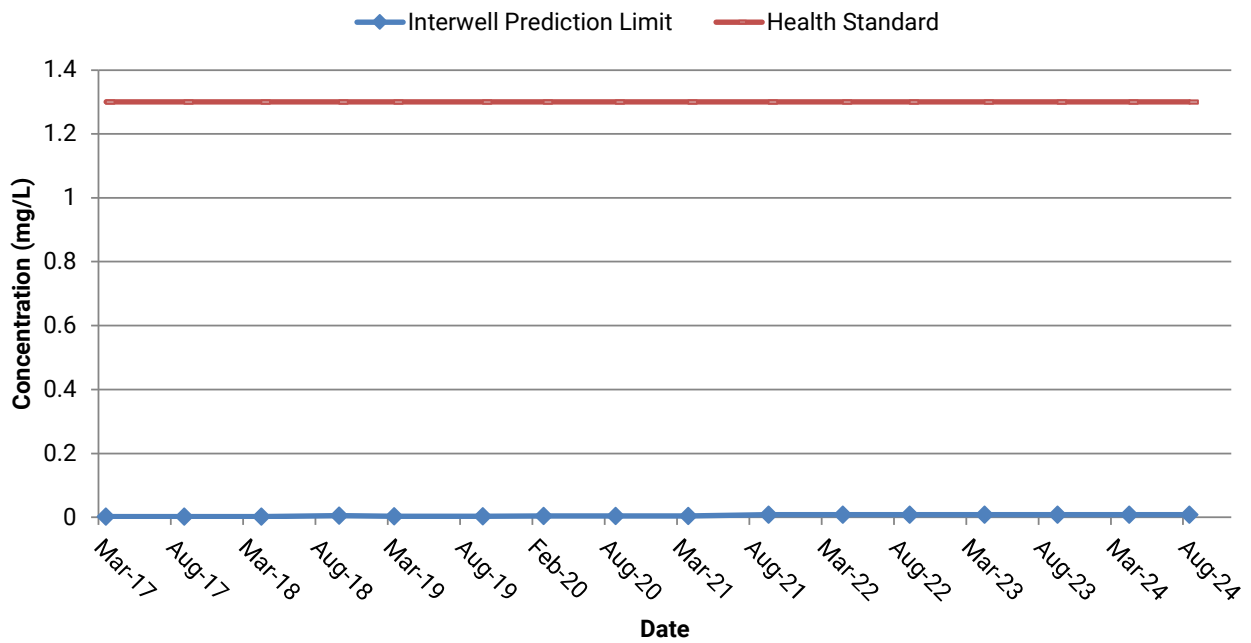
## Chromium Prediction Limit and Health Standard vs. Time



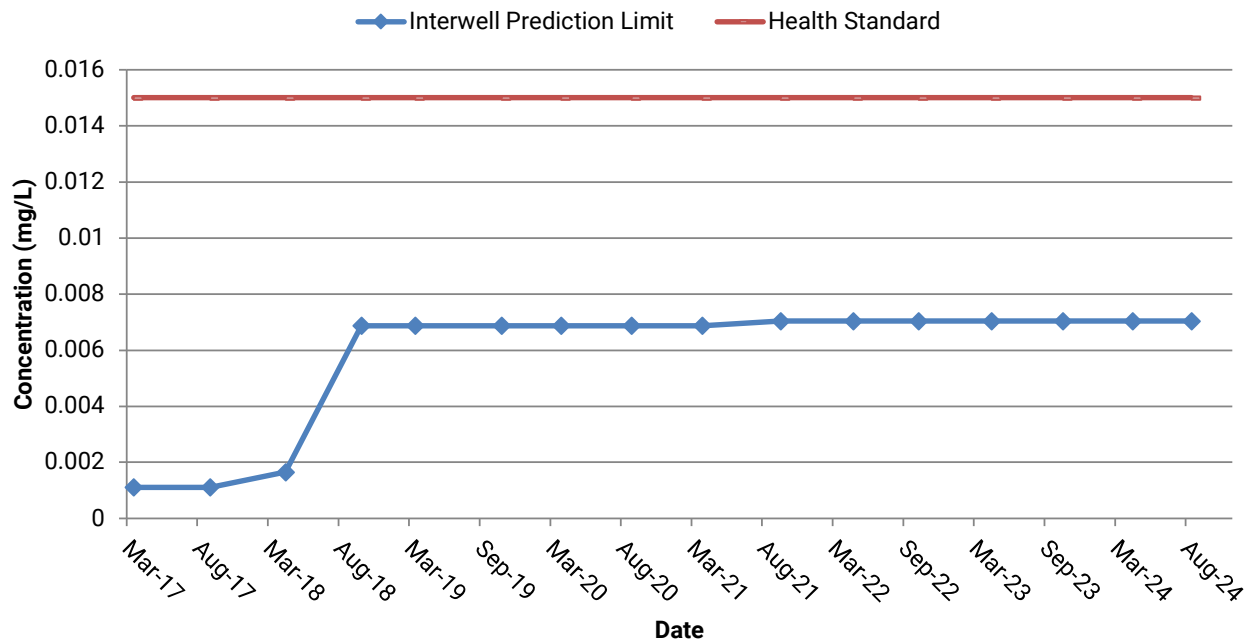
## Cobalt Prediction Limit and Health Standard vs. Time



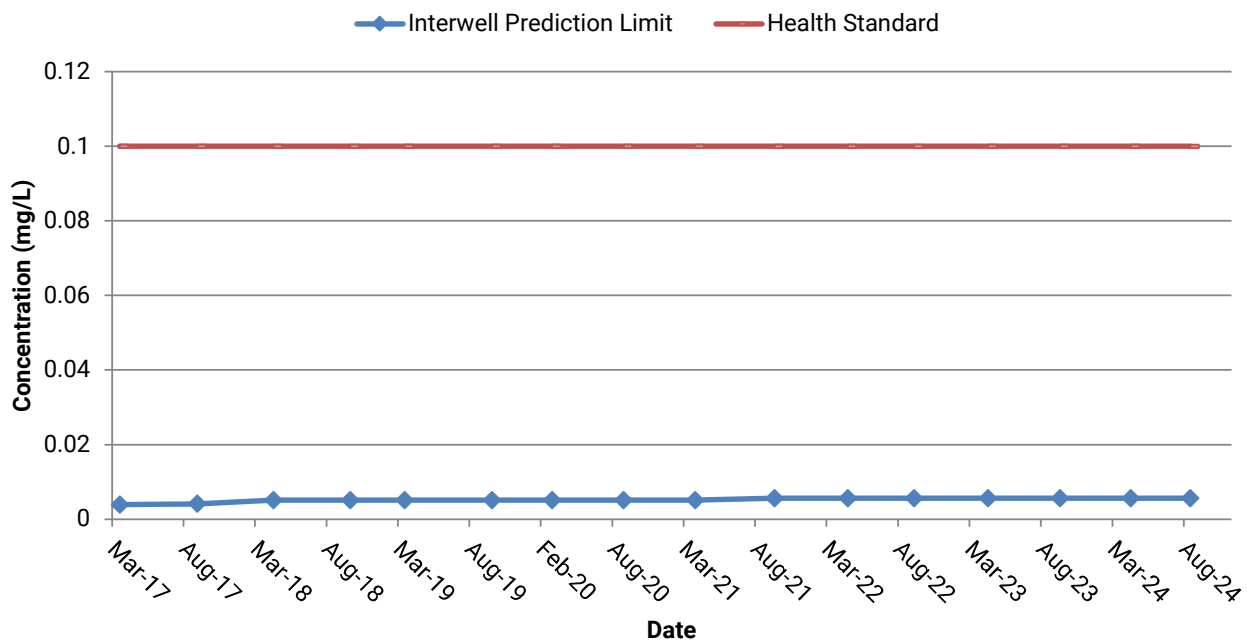
## Copper Prediction Limit and Health Standard vs. Time



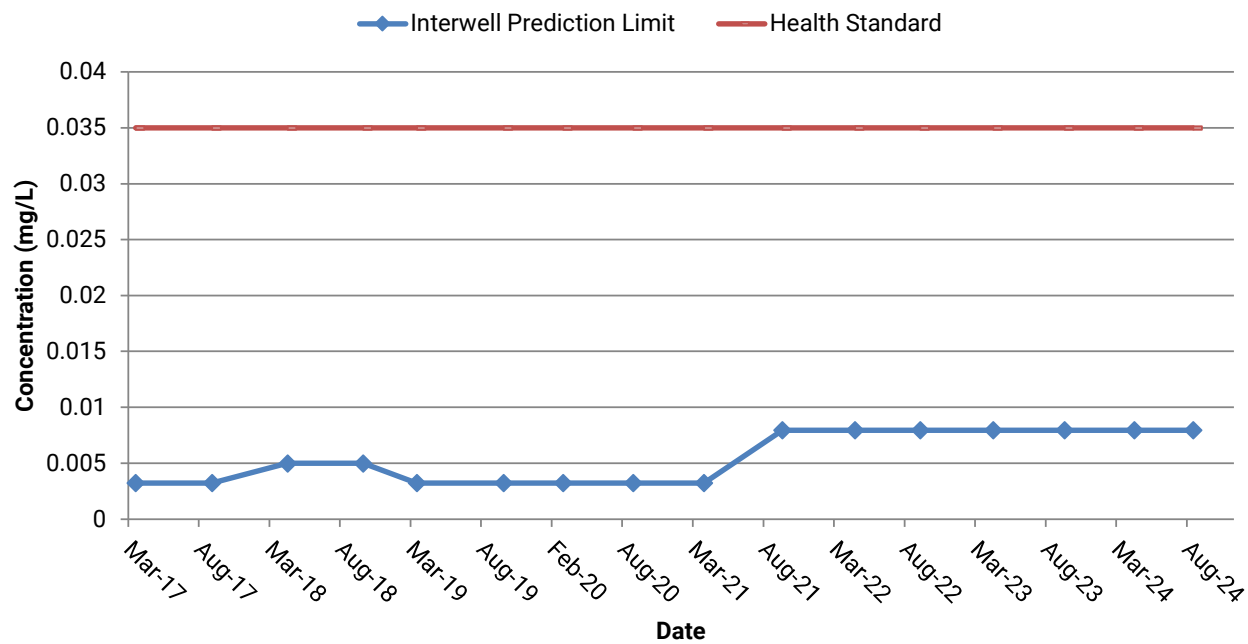
## Lead Prediction Limit and Health Standard vs. Time



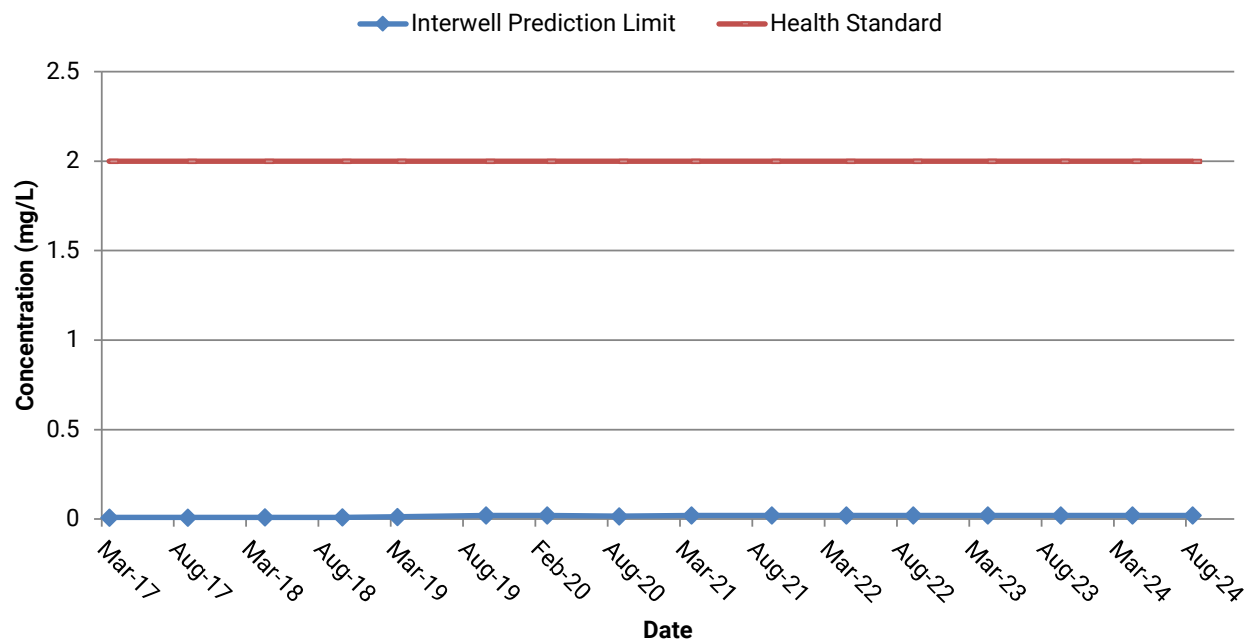
## Nickel Prediction Limit and Health Standard vs. Time



## Vanadium Prediction Limit and Health Standard vs. Time



## Zinc Prediction Limit and Health Standard vs. Time



**Table 6**  
**Summary of Well/Detected Constituent Pairs With No Previous SSIs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Well	Constituent <sup>(1)</sup>	Units	Most Recent Result (Sep. 2024)	Background Standard Intrawell PL/RL <sup>(2)</sup>	Background Standard Interwell PL/RL <sup>(2)</sup>
<b>Detection Monitoring Locations</b>					
GU-1	Arsenic	mg/L	0.00243	0.1154	N/A
	Barium	mg/L	0.195	1.52	N/A
	Benzene	ug/L	0.25 J	0.5	N/A
	Chromium	mg/L	0.0014 J	0.005	N/A
	Cobalt	mg/L	0.00205	0.02268	N/A
	Nickel	mg/L	0.0424	0.07035	N/A
	Total Suspended Solids	mg/L	7	N/A	N/A
	Zinc	mg/L	0.0116 J	0.02	N/A
GU-L	Arsenic	mg/L	0.00104 J	0.0069	N/A
	Barium	mg/L	0.00831	0.1122	N/A
GU-O	Arsenic	mg/L	0.00171 J	0.008109	N/A
	Barium	mg/L	0.315	0.7554	N/A
	Total Suspended Solids	mg/L	25	N/A	N/A
	Zinc	mg/L	<b>0.0267 *</b>	0.02	N/A
GU-P	Arsenic	mg/L	0.00211	0.006706	N/A
	Barium	mg/L	0.303	0.298	0.575
	Cobalt	mg/L	0.000427 J	0.002872	N/A
	Total Suspended Solids	mg/L	13	N/A	N/A
MW-501	Barium	mg/L	0.018	0.09243	0.575
	Cadmium	mg/L	0.000314	0.0004318	0.000139
	Cobalt	mg/L	<b>0.0131 ***</b>	0.009624	0.00288
	Nickel	mg/L	<b>0.0415 ***</b>	0.01664	0.00561
	Zinc	mg/L	<b>0.0255 ***</b>	0.02	0.02

\* Current result is above background, if confirmed by retest sample(s) an SSI will be identified (1-of-2 retesting plan for groundwater prediction limits and DQR constituents).

\*\* Current result is a confirmed SSI. Appendix II sampling will be completed within 90 days.

\*\*\* Non-MSWLF Unit source of the SSI identified.

Comments:

ASD = alternative source demonstration

MDL = method detection limit

N/A = not applicable

PL = prediction limit

RL = reporting limit (identified as the laboratory practical quantitation limit)

SSI = statistically significant increase (over background)

<sup>(1)</sup> List contains constituents detected above the laboratory MDL and includes J-flagged concentrations.

<sup>(2)</sup> Sources of background standards are presented in Table 5. If a constituent isn't listed in Table 5, indicating the constituent hasn't been detected in background, then the background standard is the RL. As detailed in Table 5, intrawell prediction limits were utilized to evaluate SSIs over background for analytes detected above the RL in GU-1, GU-L, GU-O, GU-P, and MW-501. While the intrawell background sizes for GU-P and MW-501 remain lower than the size recommended in the *Unified Guidance* (USEPA, 2009), interwell comparisons were also conducted for zinc in GU-P and at MW-501 for the analytes that have been detected above the laboratory reporting limit in the combined interwell background data set (MW-9AR and MW-201B).

• No SSIs were identified at GU-1, GU-L, and GU-P. Note that an intrawell prediction limit exceedance was identified for barium in September 2024. Due to the limited intrawell background size of 4 samples for GU-P, an interwell prediction limit was also evaluated for barium in GU-P. The interwell prediction limit did not identify an exceedance for barium in GU-P in September 2024. The future sampling schedules are provided in Table 2.



**Table 6**  
**Summary of Well/Detected Constituent Pairs With No Previous SSIs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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Comments Continued:

- At GU-O, a single DQR detection was identified for zinc in September 2024. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection identified. Therefore, a retest sample will be collected for zinc in GU-O prior to the next semiannual sampling event.
- At MW-501, intrawell prediction limit exceedances or single DQR detections were identified for cobalt, nickel, and zinc in September 2024. While the intrawell background for MW-501 remains lower than the intrawell background size recommended in the *Unified Guidance* (USEPA, 2009), interwell comparisons were also conducted at MW-501 for the analytes that have been detected above the PQL in the combined background data set (MW-9AR and MW-201B). Interwell prediction limit exceedances were identified for cadmium, cobalt, nickel, and zinc in September 2024. For cadmium, an SSI was not identified since the intrawell prediction limit was not exceeded. For cobalt, nickel, and zinc, SSIs were declared in lieu of retesting. An *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) was submitted on August 2, 2024 which indicated the recent increases in metals concentrations at MW-501 were not the result of a release from the landfill cells but rather, appeared to be the result of higher amounts of precipitation and interactions of acidic precipitation with subsurface sediments causing naturally occurring metals to release into groundwater. The *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) also identified high reddish orange turbidity with flocculated iron material in the April and May 2024 samples for MW-501. In the letter dated December 23, 2024 (IDNR, 2024), IDNR acknowledged that the ASD may be plausible but believed it was premature to approve the ASD and requested redevelopment of background well MW-201B and detection monitoring well MW-501 before the next sampling event with results discussed in the next report. Note that the reddish orange turbidity with flocculated iron material was not identified at MW-501 during purging and sampling in September 2024. MW-201B and MW-501 will be redeveloped prior to the Spring 2025 sampling event. The Spring 2025 Statistical Notifications Report will review redevelopment outcomes, turbidity, and precipitation relative to the pending ASD for MW-501. In addition, intrawell background for MW-501 will also be reviewed and discussed in the Spring 2025 Statistical Notifications Report. As discussed in the Fall 2024 statistical evaluation memo provided in Appendix B, updating intrawell background will be reviewed in the Spring 2025 statistical evaluation. MW-501 currently has an intrawell background size of 5 samples which is lower than the intrawell background size recommended in the *Unified Guidance* (USEPA, 2009). Natural variability in groundwater conditions may not be fully captured by the limited intrawell background and higher potential for false positives exists (both due to limited time to capture natural variability and by the statistical calculations with a limited intrawell background size). MW-501 will remain in detection monitoring in Spring 2025 pending the results of well redevelopment and review of the ASD and intrawell background for MW-501.

**Table 7**  
**Summary of Ongoing and Newly Identified SSIs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Well	Constituent <sup>(1)</sup>	Units	Most Recent Result <sup>(2)</sup>	Background Standard <sup>(3)</sup>	Lower Confidence Limit	GWPS <sup>(3)</sup>	Sample Dates		
							Initial Exceedance (above background)	Resample(s)	5th Background Sample <sup>(4)</sup>
<b>Assessment Monitoring Locations</b>									
MW-15	Cobalt	mg/L	0.00306	0.00288	0.00157	0.00631	Mar. 2017	Jun. 2017	Mar. 2017
	Nickel	mg/L	0.00953	0.00561	0.006	0.1	Mar. 2017	Jun. 2017	Mar. 2017
MW-22	Barium	mg/L	1.1	0.575	1.02	2	Mar. 2017	Oct. 2017	Mar. 2017
	Benzene	ug/L	1.46	0.50	1.16	5	Jan. 2008	Mar. 2008	Oct. 2008
	Nickel	mg/L	0.0352	0.00561	0.032	0.1	Mar. 2017	Oct. 2017	Mar. 2017
MW-24	Nickel	mg/L	0.0234	0.00561	0.032	0.1	Mar. 2017	Jun. 2017	Mar. 2017
MW-26A	Arsenic	mg/L	0.01	0.001816	0.0010	0.01	Apr. 2024	May 2024	Mar. 2017
	Barium	mg/L	0.656	0.575	0.09	2	Sep. 2025	N/S	Mar. 2017
	Cobalt	mg/L	0.0731	0.00288	0.00080	0.00631	Mar. 2017	Jun. 2017	Mar. 2017
	Nickel	mg/L	0.0489	0.00561	0.007	0.1	Apr. 2015	Apr. 2016	Mar. 2017
MW-300	1,4-Dichlorobenzene	ug/L	1.87	1.00	0.3	75	Oct. 2017	N/S	Mar. 2017
	Cadmium	mg/L	0.000295	0.000139	0.00007	0.005	Sep. 2025	N/S	Mar. 2017
	Chlorobenzene	ug/L	1.75	1.00	0.5	100	Oct. 2015	N/S	Mar. 2017
	Nickel	mg/L	0.00785	0.00561	0.008	0.1	Mar. 2017	Oct. 2017	Mar. 2017
MW-302R	No SSIs								
MW-303	Nickel	mg/L	0.00656	0.00561	0.003	0.1	Apr. 2021	May 2021	Mar. 2017
MW-304R	Cobalt	mg/L	0.0068	0.00288	0.00108	0.00631	Mar. 2019	May 2019	Mar. 2017
	Nickel	mg/L	0.0077	0.00561	0.003	0.1	Nov. 2018	Jan. 2019	Mar. 2017
MW-305	No SSIs								
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>									
MW-18	Nickel	mg/L	0.0227	0.00561	0.015	0.1	Mar. 2017	Jun. 2017	Mar. 2017
MW-19	1,4-Dichlorobenzene	mg/L	2.28	1.00	2.0	75	Jan. 2008	Mar. 2008	Oct. 2008
	Chlorobenzene	ug/L	1.57	1.00	2.7	100	Jan. 2008	Mar. 2008	Oct. 2008
	Nickel	mg/L	0.0233	0.00561	0.023	0.1	Mar. 2017	Oct. 2017	Mar. 2017
MW-20	Arsenic	mg/L	0.00554	0.001816	0.0042	0.01	Mar. 2017	Oct. 2017	Mar. 2017
	Barium	mg/L	1.24	0.575	1.01	2	Mar. 2017	Oct. 2017	Mar. 2017
	Chlorobenzene	ug/L	6.09	1.00	5.9	100	Jan. 2008	Mar. 2008	Oct. 2008
	Nickel	mg/L	0.0215	0.00561	0.017	0.1	Mar. 2017	Oct. 2017	Mar. 2017
MW-301	Arsenic	mg/L	0.00868	0.001816	0.0063	0.01	Mar. 2017	Oct. 2017	Mar. 2017
	Chlorobenzene	ug/L	1.01	1.00	0.5	100	Apr. 2015	N/S	Mar. 2017
	Nickel	mg/L	0.011	0.00561	0.007	0.1	Mar. 2017	Oct. 2017	Mar. 2017
<b>Delineation Monitoring Locations</b>									
MW-29	No SSIs								
MW-30	No SSIs								
MW-306	No SSIs								
MW-307A	No SSIs								

**Table 7**  
**Summary of Ongoing and Newly Identified SSIs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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- \* For assessment monitoring locations, all current results are below background. If confirmed by a second event, location may return to detection monitoring in accordance with IAC 113.10(6)e. However, three consecutive events will be utilized to make the determination to return to detection monitoring to limit frequent fluctuation of wells moving between the detection and assessment monitoring program.
- \*\* LCL has exceeded the GWPS, this well/constituent pair is now identified as an SSL.
- \*\*\* Non-MSWLF Unit source of the SSI or SSL identified.

Comments:

N/A = Not applicable.

N/S = Not resampled; SSI was declared in lieu of conducting resample(s).

GWPS = Groundwater Protection Standard

RL = reporting limit (identified as the laboratory practical quantitation limit)

<sup>(1)</sup> List contains constituents which have been identified as SSIs in Fall 2024. Unless otherwise noted, all current results listed in this table are above background. SSIs were declared in lieu of conducting resample(s).

<sup>(2)</sup> Most recent results are from Sep. 2024.

<sup>(3)</sup> Source of background standards and GWPS values are presented in Table 5. If constituent isn't listed in Table 5 (indicating constituent hasn't been detected in background), then the background standard is the laboratory RL and the GWPS is the MCL or the SS if there's no MCL.

<sup>(4)</sup> The 5th background sample for the Appendix I and II metals is the fifth sampling event conducted using low-flow sampling methods. Low-flow sampling was initiated in April 2015.

- No SSLs were identified for the assessment monitoring locations. Details regarding the future sampling schedules are provided in Table 2.
- No SSLs were identified for the assessment constituents in the corrective action monitoring locations. These locations will continue corrective action monitoring in 2025 as listed in Table 2. A summary of the statistical comparisons for the corrective action constituents is provided in Table 8.
- No SSIs were identified for benzene and cobalt in the delineation monitoring locations. These locations will continue delineation monitoring in 2025 as listed in Table 2.

**Table 8**  
**Summary of Ongoing and Newly Identified SSLs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Well <sup>(1)</sup>	Constituent <sup>(1)</sup>	Units	Most Recent Result <sup>(1)</sup>	Upper Confidence Limit <sup>(2)</sup>	GWPS <sup>(3)</sup>	Initial Exceedance	Consecutive Compliance Dates		
							1st Occurrence	Most Recent	Duration
<b>Corrective Action Monitoring Locations</b>									
MW-18	Cobalt	mg/L	0.00709	0.00448	0.00631	Mar. 2017	Spring 2024	Fall 2024	1 year
MW-19	Cobalt	mg/L	0.0154	0.0148	0.00288	Mar. 2017	N/A	N/A	N/A
MW-20	Benzene	ug/L	3.2	4.43	5	2009	Fall 2024	Fall 2024	0.5 year
	Cobalt	mg/L	0.00422	0.0045	0.00631	Oct. 2018	Spring 2024	Fall 2024	1 year
MW-301	Cobalt	mg/L	0.0059	0.00526	0.00631	Mar. 2017	N/A	N/A	N/A

\* This well/contaminant pair has been compliant for 3 consecutive years and no longer has an SSL.

\*\* Non-MSWLF Unit source of the SSL identified.

Comments:

GWPS = Groundwater Protection Standard

N/A = Not applicable; indicates the analyte/well pair has not achieved compliance with the GWPS (i.e., upper confidence limit or the upper 95% confidence limit on the trend line is lower than the GWPS for a period of three consecutive years).

<sup>(1)</sup> The most recent results are from the Sep. 2024 event.

<sup>(2)</sup> If a decreasing trend was identified, the value is the upper 95% confidence limit on the trend line.

<sup>(3)</sup> Sources of GWPS values are presented in Table 5. If constituent isn't listed in Table 5 (indicating constituent hasn't been detected in background), then the GWPS is the MCL or the SS if there's no MCL.

- The statistical methodology for locations in corrective action monitoring was modified from previous reports. As detailed in the Fall 2024 statistical evaluation provided in Appendix B, confidence intervals in corrective action mode or 90% confidence bands around linear trend lines were utilized to evaluate the corrective action constituents. Previous reports evaluated corrective action constituents using confidence intervals but didn't select the corrective action mode options in the Sanitas<sup>®</sup> configuration; however, this shouldn't change the outcome as the previous reports still compared the upper confidence limit to the GWPS. Different from previous reports, confidence bands around linear trend lines were utilized for corrective action constituents with statistically significant decreasing trends. Additional details are provided in the Fall 2024 statistical evaluation.
- SSLs over the GWPS remained for cobalt in MW-19 and MW-301. While compliance with the GWPS was not achieved, a statistically significant decreasing trend was identified for cobalt in MW-301.
- Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well. Details are provided in Table 5.
- Compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 starting with the Spring 2024 statistical evaluation and remained during the Fall 2024 statistical evaluation. In addition, compliance with the GWPS was newly achieved for benzene in MW-20 during the Fall 2024 statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-18 and MW-20 and benzene in MW-20 will return to assessment constituents in Spring 2027 and Fall 2027, respectively, as long as concentrations remain below the GWPS during interim statistical evaluations.
- No changes are recommended for the corrective action monitoring locations based on the corrective action statistical results conducted during the Fall 2024 statistical evaluation.

**Table 9**  
**Historic SSIs and SSLs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l
Well	Constituent	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024
<b>Groundwater Underdrain Monitoring Locations</b>															
GU-1	No SSIs or SSLs														
GU-L	No SSIs or SSLs														
GU-O	Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				(1)
GU-P	No SSIs or SSLs														
<b>Downgradient Monitoring Locations</b>															
MW-15	Arsenic														
	Cadmium														
	Cobalt														
	Lead														
	Nickel														
MW-18	Cadmium														
	Cobalt														
	Nickel														
	Silver														
	Thallium														
MW-19	1,4-Dichlorobenzene														
	Arsenic														
	Barium														
	Benzene														
	Chlorobenzene														
	Cobalt														
	Nickel														
MW-20	Antimony														
	Arsenic														
	Barium														
	Benzene														
	Chlorobenzene														
	Chromium														
	Cobalt														
	Copper														
	Endosulfan I														
	Heptachlor														
	Nickel														
	Zinc														
MW-22	Arsenic														
	Barium														
	Benzene														
	beta-BHC														
	Cobalt														
	Copper														
	Nickel														
	Silvex (2,4,5-TP)														
MW-24	Barium														
	Cobalt														
	Cadmium														
	Nickel														
MW-26A	Acetone										NE		NE		
	Arsenic										NE		NE		

**Table 9**  
**Historic SSIs and SSLs**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l	S p r i n g	F a l l
Well	Constituent	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024
MW-26A Continued	Barium											NE		NE	
	Cobalt											NE		NE	
	Nickel											NE		NE	
MW-300	1,4-Dichlorobenzene														
	Benzene														
	Cadmium														
	Chlorobenzene														
	Cobalt														
	Nickel														
MW-301	Arsenic														
	Cadmium														
	Chlorobenzene														
	Cobalt														
	Nickel														
	Silver														
	Thallium														
MW-302R	Cobalt														
	Nickel														
MW-303	Arsenic														
	Cadmium														
	Cobalt														(2)
	gamma-BHC (Lindane)														
	2,4-D														
	4,4-DDT														
	Heptachlor														
	Nickel														
MW-304R	Cobalt														
	Nickel														
MW-305	Cobalt														
MW-501	Arsenic													(3)	
	Beryllium													(3)	
	Cadmium													(3)	
	Cobalt													(3)	(3)
	Nickel													(3)	(3)
	Zinc													(3)	(3)
<b>Delineation Monitoring Locations</b>															
MW-29	Benzene														
	Cobalt														
MW-30	Cobalt														
MW-306	Benzene														
	Cobalt														
MW-307A	Cobalt														

**Comments:**

N/A = not applicable; monitoring location was establishing intrawell background.

NE = Not Evaluated [Statistical analysis could not be conducted due to groundwater sample not collected and analyzed.]

(1) As detailed in Table 5, a single DQR detection was identified for zinc in GU-O in Fall 2024. A retest sample will be collected prior to the next semiannual sampling event.

**Table 9**  
**Historic SSIs and SSLs**  
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**Comments Continued:**

<sup>(2)</sup> Elevated cobalt concentrations detected at MW-303 are the result of an alternative source (HDR, 2024b) and are not indicative of a release from the landfill. Therefore, the Spring 2024 cobalt concentration was not identified as an SSL at MW-303.

<sup>(3)</sup> At MW-501, confirmed SSIs were identified for arsenic, beryllium, cadmium, cobalt, nickel, and zinc in the Spring 2024 statistical evaluation based on the Apr. and May 2024 results. As detailed in Table 5, in lieu of retesting, SSIs were declared for cobalt, nickel, and zinc in MW-501 in the Fall 2024 statistical evaluation. An alternative source demonstration is pending for metals in MW-501.

**Table 10**  
**Corrective Action Trend Analysis**  
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Well	Corrective Action Constituent	Trend	N	Analyte/Well Pair Achieved Compliance with GWPS?	Projected Year to Completion* <sup>(1,2)</sup>
<b>Corrective Action Monitoring Locations</b>					
MW-18	Cobalt	Decreasing (2015)	21	Yes	Fall 2026
MW-19	Cobalt	No Trend	20	No	No Attenuation
MW-20	Benzene	Decreasing (2015)	20	Yes	Spring 2027
	Cobalt	No Trend	20	Yes	Fall 2026
MW-301	Cobalt	Decreasing (2015)	20	No	2031

\* To satisfy IAC 113.10(9)e(2)

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:

N = Number of Samples (since initiation of low-flow sampling in Apr. 2015)

\* For remedy completion [IAC 113.10(9)e(2)], compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR.

<sup>(1)</sup> For corrective action constituents that have achieved compliance with the GWPS, the projected year to completion listed is 3 years after compliance was first achieved (i.e., 3 years after the First Occurrence listed in Table 8) and will remain as long as concentrations remain statistically below the GWPS during the interim statistical evaluations. Individual analyte/well pairs will return to assessment constituents once compliance with the GWPS has been achieved for a period of 3 years. In accordance with IAC 113.10(9)3(2), a well may not return to assessment monitoring until all detected constituents are below the GWPS.

<sup>(2)</sup> For the remaining corrective constituents (i.e., those that have not achieved compliance with the GWPS), the projected year to completion is based on the estimated first order attenuation rates for individual analyte/well pairs evaluated as part of the Fall 2024 statistical evaluation (Appendix B). The projected years to completion are 3 years after the first order attenuation rates projected initial compliance with the GWPS.

Remedy Implementation:

• Assessments of corrective measures (ACMs) were prepared for benzene in MW-20 (Foth, 2014 and HDR, 2017) and cobalt in MW-18, MW-19, MW-20, and MW-301 (HDR, 2019b). The selected remedies were monitored natural attenuation (MNA) with optimization of the landfill gas and leachate collection systems for source control. The following source control optimizations have been completed:

- In Summer 2016, leachate collection system renovations were completed which included construction of underground electrical conduits; leachate pump control panels; modular equipment racks; pump installation at LW-3, LW-4, LW-5, LW-7, LW-10, and LW-12; transducers; and associated electrical equipment (HDR, 2017 and 2019a). Construction of the leachate collection system renovation was approved by IDNR in Permit Amendment #16 (IDNR, 2016).
- In 2019-2020, gas collection and control system improvements were completed which included installation of GW-1R; installation of dewatering pumps in gas wells GW-4, GW-5, GW-11, GW-13, and GW-15; removal and replacement of dewatering pumps in gas wells GW-6, GW-7, GW-9, GW-10, and GW-14; installation of dewatering pumps in leachate extraction wells LW-1 and LW-9; and other dewatering system components including an air compressor, air supply piping, and leachate force main (HDR, 2021 and 2024a).
- In August 2021, a dewatering pump was installed at leachate extraction well LW-8 (HDR, 2021).
- In 2023 and 2024, the 30-Acre Cell Improvements project was completed which included construction of the final cover access road, leachate well LW-7 modifications, installation of a toe drain on the west perimeter to facilitate stormwater drainage and protect against lateral seepage (discharging into leachate collection system), abandonment of the 12,000-gallon leachate holding tank (i.e. LW-6), construction of a leachate conveyance bypass to bypass the former leachate holding tank and convey leachate collected from the 30-acre cell to existing leachate conveyance infrastructure and ultimately to the sanitary sewer force main (HDR, 2024d).

• In accordance with the approved ACMs (HDR, 2017 and 2019b), the following activities are conducted to monitor the effectiveness of the landfill gas and leachate system improvements implemented as source control measures for the MNA remedy:

- Semiannual benzene sampling at MW-20 and the HMSP/delineation monitoring wells (see Table 11A).
- Semiannual groundwater elevations at the HMSP/delineation monitoring wells and whenever groundwater is sampled (see Table 12).
- Monthly leachate elevation measurements at LW-1 through LW-12 (see Table 13).
- Quarterly leachate elevation measurements in gas extraction wells (see Table 14). The percent of available screen in the gas extraction wells (see Table 15).



**Table 10**  
**Corrective Action Trend Analysis**  
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Remedy Implementation Continued:

- Semiannual measurements of %CH<sub>4</sub>, %LEL, and pressure content in MW-15, MW-16, MW-20, MW-28, and MW-29 were last conducted in Spring 2018. Since no elevated measurements were observed in Spring 2018, semiannual measurements of %CH<sub>4</sub>, %LEL, and pressure content in MW-15, MW-16, MW-20, MW-28, and MW-29 were discontinued (HDR, 2019a and 2020).
- Gas system metrics including wellhead data, operational runtime, gas flow rates, and gas quality (see Table 16).

Conclusions and Recommendations:

- Compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 during the Spring 2024 statistical evaluation and for benzene in MW-20 during the Fall 2024 statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-18 and MW-20 and benzene in MW-20 will return to assessment constituents in Spring 2027 and Fall 2027, respectively, as long as concentrations remain below the GWPS during interim statistical evaluations.
- While compliance with the GWPS has not been attained for cobalt in MW-301, a statistically significant decreasing trend was identified. First order attenuation projects a year to completion of 2031 for cobalt in MW-301.
- No trend was identified for cobalt in MW-19 and first order attenuation could not be projected at this time.
- As noted above, discussion regarding the effectiveness of the source control measures is provided in Tables 11A through 16. Consideration is given to the timeframe of construction of improvements and the evaluation of effectiveness of the source control measures.

**Table 11A**  
**Corrective Action Monitoring - Benzene Detections**  
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Sample Date	Benzene (ug/L)								
	MW-20	MW-16	MW-28	MW-29	MW-30	MW-306	MW-307A	MW-307B	MW-308
Spring 2015	6.33	<0.50	0.722	0.947	0.862	0.383	0.495 J	<0.50	<0.50
Fall 2015	5.36	N.S	1.14	2.35	0.444	0.921	N.S.	N.S.	N.S.
Spring 2016	5.36	N.S	0.911	1.08	0.772	0.945	N.S.	N.S.	N.S.
Fall 2016	4.96	N.S	0.498 J	1.10	<0.50	0.674	N.S.	N.S.	N.S.
Spring 2017	5.78	<0.50	0.568	0.663	0.39	0.956	0.499 J	<0.50	<0.50
Fall 2017	4.30	<0.50	0.791	0.936	<0.50	1.02	N.S.	N.S.	N.S.
Spring 2018	5.01	N.S.	0.796	0.412 J	<0.50	0.757	N.S.	N.S.	N.S.
Fall 2018	6.40	N.S.	0.710	1.40	<0.50	0.666	N.S.	N.S.	N.S.
Spring 2019	5.77	<0.50	0.792	0.241 J	<0.50	<0.50	<0.50	<0.50	<0.50
Fall 2019	6.47	<0.50	0.485 J	<0.50	<0.50	0.347 J	0.420 J	<0.50	<0.50
Spring 2020	6.98	<0.50	0.317 J	<0.50	<0.50	0.644	<0.50	<0.50	<0.50
Fall 2020	5.51	<0.50	<0.50	<0.50	<0.50	0.280 J	0.429 J	<0.50	<0.50
Spring 2021	6.12	<0.50	0.228 J	<0.50	<0.50	0.404 J	<0.50	<0.50	<0.50
Fall 2021	5.70	N.S	N.S	<0.50	<0.50	<0.50	0.316 J	N.S	N.S
Spring 2022	5.34	N.S	N.S	<0.50	<0.50	0.473 J	<0.50	N.S	N.S
Fall 2022	3.09	N.S	N.S	<0.50	<0.50	<0.50	<0.50	N.S	N.S
Spring 2023	2.71	N.S	N.S	<0.50	<0.50	0.789	<0.50	N.S	N.S
Fall 2023	3.66	N.S	N.S	<0.50	<0.50	<0.50	<0.50	N.S	N.S
Spring 2024	3.47	N.S	N.S	<0.50	<0.50	0.381 J	<0.50	N.S	N.S
Fall 2024	3.20	N.S	N.S	<0.50	<0.50	0.401 J	<0.50	N.S	N.S
<b>Statistically Significant Trend</b>	Decreasing			Decreasing	None	Decreasing	Decreasing		
<b>Monitoring Program</b>	Corrective Action	Water Level	Water Level	Delineation	Delineation	Delineation	Delineation	Water Level	Water Level

Comments:

N.S. = not sampled during sampling event

RL = reporting limit taken as the laboratory practical quantitation limit (PQL)

ug/L = micrograms per liter

- In accordance with the approved Assessment of Corrective Measures (ACM) for benzene in MW-20 (HDR, 2017), Table 11A presents the semiannual benzene results collected since the initiation of low-sampling in Apr. 2015 at MW-20 and the HMSP/delineation monitoring
- For consistency with other tables, the RL was taken as the PQL; therefore, non-detect values are reported at the PQL. Note that previous AWQRs used the method detection limit (MDL) for non-detect values.
- Delineation monitoring locations MW-16, MW-28, MW-307B, and MW-308 are no longer sampled for benzene as part of the delineation monitoring program.
- Sanitas® v10.0 (Sanitas Technologies) software was utilized to evaluate trends. Non-detect data were substituted into 1/2 the RL. Trends were evaluated using the low-flow results collected from Apr. 2015 to current.
- Benzene concentrations downgradient of the closed 30-Acre Cell have been decreasing over time. Corrective action monitoring well MW-20 is the only location with benzene concentrations detected above the RL. Individual benzene concentrations in MW-20 have been below the GWPS of 5 ug/L since Fall 2022. As indicated in Table 10, compliance with the GWPS was statistically achieved for benzene in MW-20 during the Fall 2024 statistical evaluation.

**Table 11B**  
**Corrective Action Monitoring - Cobalt Detections**  
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Sample Date	Cobalt (mg/L)															
	MW-18	MW-19	MW-20	MW-301	MW-15	MW-16	MW-22	MW-23	MW-28	MW-29	MW-30	MW-300	MW-306	MW-307A	MW-307B	MW-308
Spring 2015	0.0152	0.00936	0.00483	0.0135	0.000786	N.S	0.000211 J	N.S	N.S	N.S	N.S	0.000268 J	N.S	N.S	N.S	N.S
Fall 2015	0.0246	0.00931	0.00632	0.00924	0.00152	N.S	0.000202 J	N.S	N.S	N.S	N.S	0.013	N.S	N.S	N.S	N.S
Spring 2016	0.0067	0.0147	0.00376	0.0106	0.000863	N.S	0.000281 J	N.S	N.S	N.S	N.S	0.002	N.S	N.S	N.S	N.S
Fall 2016	0.0179	0.00948	0.00392	0.00745	0.0018	N.S	0.000321 J	N.S	N.S	N.S	N.S	0.021	N.S	N.S	N.S	N.S
Spring 2017	0.00817	0.0133	0.00296	0.0093	0.00186	N.S	0.000274 J	N.S	N.S	N.S	N.S	0.007	N.S	N.S	N.S	N.S
Summer 2017	0.00746	N.S	N.S	N.S	0.00184	N.S	N.S	N.S	N.S	N.S	N.S	N.S	N.S	N.S	N.S	N.S
Fall 2017	0.00987	0.0156	0.00362	0.0076	0.00136	N.S	0.00024 J	N.S	N.S	N.S	N.S	0.014	N.S	N.S	N.S	N.S
Spring 2018	0.00657	0.0198	0.00271	0.00465	0.00147	0.00117	0.000779 J	0.000205 J	0.00183	0.00169	0.000308 J	0.00941	0.00238	0.000954	0.000483 J	0.000317 J
Fall 2018	0.00612	0.0172	0.00516	0.00308	0.00162	N.S	0.000317 J	N.S	0.00149	0.0023	0.000359 J	0.00583	0.00293	N.S	N.S	N.S
Spring 2019	0.0051	0.0152	0.00556	0.00766	0.00258	0.000796	0.000302 J	N.S	0.00149	0.00182	0.000373 J	0.00124	0.00127	0.00187	0.000264 J	0.000205 J
Fall 2019	0.00407	0.0124	0.00265	0.00546	0.00193	0.000649	0.000339 J	N.S	0.0016	0.00103	0.000293 J	0.00249	0.00234	0.000689	0.000151 J	<0.000091
Spring 2020	0.00271	0.0145	0.00273	0.007	0.00239	0.00085	0.000312 J	0.0014	0.00161	0.00453	0.000288 J	0.000422 J	0.00168	0.00455	0.000144 J	0.000112 J
Fall 2020	0.00362	0.0154	0.00351	0.0064	0.00357	0.000703	0.000357 J	0.00088	0.00138	0.000972	0.000235 J	0.0024	0.00245	0.00125	<0.000091	<0.000091
Spring 2021	0.00338	0.0149	0.00494	0.0048	0.00143	0.000739	0.000335	0.000178 J	0.00141	0.000842	0.000302 J	0.000204 J	0.00197	0.00151	<0.000091	0.000135 J
Fall 2021	0.00591	0.0129	0.00567	0.00941	0.00467	N.S	0.000581	N.S	N.S	0.001	0.000826	0.00416	0.00194	0.000887	N.S	N.S
Spring 2022	0.00446	0.00707	0.00344	0.0045	0.000701	N.S	0.000492 J	N.S	N.S	0.000939	0.000458 J	<0.0005	0.00216	0.00181	N.S	N.S
Fall 2022	0.00496	0.015	0.00515	0.00498	0.00365	N.S	0.000438 J	N.S	N.S	0.00078	0.000579	0.00525	0.00189	0.000752	N.S	N.S
Spring 2023	0.00255	0.0156	0.00339	0.00273	0.00351	N.S	0.000481 J	N.S	N.S	0.00181	0.000562	0.000241 J	0.00203	0.00232	N.S	N.S
Fall 2023	0.0071	0.019	0.00562	0.00517	0.0033	N.S	0.000401 J	N.S	N.S	0.00137	0.000645	0.0202	0.0019	0.000793	N.S	N.S
Spring 2024	0.00346	0.00852	0.0018	0.00424	0.00206	N.S	0.000278 J	N.S	N.S	0.00495	0.0258	<0.0005	0.00223	0.00594	N.S	N.S
Fall 2024	0.00709	0.0154	0.00422	0.0059	0.00306	N.S	0.000335 J	N.S	N.S	0.000635	0.00074	0.00288	0.00158	0.00263	N.S	N.S
<b>Statistically Significant Trend</b>	Decreasing	None	None	Decreasing	Increasing											
<b>Monitoring Program</b>	Corrective Action	Corrective Action	Corrective Action	Corrective Action	Assessment	Water Level	Assessment	Water Level	Water Level	Delineation	Delineation	Assessment	Delineation	Delineation	Water Level	Water Level

**Comments:**  
mg/L = milligrams per liter  
N.S. = not sampled during sampling event

- In accordance with the approved ACM for cobalt in MW-18, MW-19, MW-20, and MW-301 (HDR, 2019b), Table 11B presents the semiannual cobalt results collected since the initiation of low-sampling in Apr. 2015 at the corrective action and HMSP/delineation monitoring locations. Note that results from quarterly sampling events are also presented on this sample, where applicable.
- For consistency with other tables, the reporting limit (RL) was taken as the laboratory practical quantitation limit (PQL); therefore, non-detect values are reported at the PQL. Note that previous AWQRs used the method detection limit (MDL) for non-detect values.
- Delineation monitoring locations MW-16, MW-28, MW-307B, and MW-308 and HMSP monitoring location MW-23 are no longer sampled for benzene as part of the delineation monitoring program.
- Sanitas® v10.0 (Sanitas Technologies) software was utilized to evaluate trends. Non-detect data were substituted into 1/2 the RL. Trends were evaluated using the low-flow results collected from Apr. 2015 to current.
- For the corrective action monitoring locations, decreasing trends were identified for cobalt in MW-18 and MW-301. No trends were identified at MW-19 and MW-20. As indicated in Table 10, compliance with the GWPS was statistically achieved for cobalt in MW-18 and MW-20 during the Spring 2024 statistical evaluation and remained during the Fall 2024 statistical evaluation. First order attenuation projects a year to completion of 2031 for cobalt in MW-301. The results for the corrective action monitoring wells generally indicate progress with the monitored natural attenuation (MNA) remedy.
- For the HMSP and delineation monitoring locations, no SSLs over the GWPS have been identified to date. No trends were identified for cobalt in MW-29, MW-30, MW-300, MW-306, and MW-307A. While statistically significant increasing trends were identified for cobalt in MW-15 and MW-22, both trends appear more recently stable. In addition, the slopes of the increasing trend lines were low (i.e., 0.0002277 mg/L/year for MW-15 and 0.0002085 mg/L/year for MW-22). Cobalt trends in MW-15 and MW-22 will continue to be monitored closely in 2025.

**Table 12**  
**Corrective Action Monitoring - Historical Groundwater Elevations**  
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Monitoring Well	Current Monitoring Program (Fall 2024)	2009		2010		2011		2012		2013		2014		2015		2016	
		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	835.20	835.45	842.08	834.45
MW-15	Assessment	813.36	811.67	814.45	812.05	813.20	810.70	813.47	809.60	810.36	810.23	811.94	811.38	813.43	810.16	814.28	811.47
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	813.10	813.56	814.23	812.67	---	813.11
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	821.30	823.47	819.47	825.11	820.06
MW-19	Corrective Action	840.69	839.68	844.30	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
MW-20	Corrective Action	811.04	812.01	817.21	811.62	813.23	810.25	813.71	809.47	810.33	810.20	811.42	811.09	812.58	809.97	815.53	810.73
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
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
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
MW-26A	Assessment	817.27	816.84	817.67	810.52	810.22	808.69	809.50	808.61	809.47	808.46	810.07	809.90	809.61	808.74	811.75	809.74
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
MW-28	Not in HMSP	811.98	811.08	814.65	811.04	812.22	809.91	812.30	809.15	809.86	809.66	810.80	810.43	811.26	809.59	813.01	810.46
MW-29	Delineation	813.17	811.46	815.29	811.81	813.43	811.11	813.27	809.60	810.32	810.14	811.63	811.07	812.38	810.05	813.93	811.08
MW-30	Delineation	812.36	811.06	813.59	811.45	812.65	810.17	812.25	809.20	809.88	809.61	811.29	810.81	812.08	809.88	813.42	811.00
MW-201A	Not in HMSP	---	---	---	---	---	---	865.09	856.53	---	862.03	861.77	864.52	864.80	860.31	---	---
MW-201B	Background	---	---	---	---	---	---	845.96	843.41	844.86	844.39	843.35	845.34	845.76	846.16	846.98	847.20
MW-201C	Not in HMSP	---	---	---	---	---	---	823.29	814.58	---	814.35	815.14	817.53	817.02	816.87	---	---
MW-204A	Not in HMSP	---	---	---	---	---	808.88	816.28	812.18	---	810.30	812.75	813.57	815.70	811.18	---	---
MW-204C	Not in HMSP	---	---	---	---	---	---	816.19	811.50	---	811.87	809.42	812.62	811.24	812.44	---	---
MW-211A <sup>(1)</sup>	Not in HMSP	---	---	---	---	---	---	849.13	838.76	839.87	840.59	838.77	845.91	847.72	841.53	849.01	843.88
MW-211D	Not in HMSP	---	---	---	---	---	---	815.76	809.88	---	809.77	810.48	812.37	811.80	811.20	---	---
MW-213A	Not in HMSP	---	---	---	---	---	---	816.40	814.68	---	813.81	816.05	817.43	817.12	818.19	---	---
MW-213D	Not in HMSP	---	---	---	---	---	---	815.61	809.76	---	809.65	810.63	812.70	812.04	811.21	---	---
MW-213E	Not in HMSP	---	---	---	---	---	---	815.65	809.77	---	809.67	810.62	812.69	811.99	810.87	---	---
MW-214 <sup>(1)</sup>	Not in HMSP	---	---	---	---	---	---	826.36	823.19	824.43	823.88	823.94	825.10	825.51	823.96	827.84	825.08
MW-215 <sup>(1)</sup>	Not in HMSP	---	---	---	---	---	---	815.40	809.12	812.28	810.08	813.46	813.89	815.25	811.14	816.39	814.24
MW-216	Not in HMSP	838.92	837.62	839.02	838.18	837.30	836.88	838.39	834.15	---	836.12	836.42	837.30	838.45	836.11	---	---
MW-218	Not in HMSP	---	---	---	---	---	---	---	---	---	807.92	---	809.74	809.12	808.72	---	---
MW-300	Assessment	---	---	849.98	849.53	851.23	848.24	850.10	845.23	848.85	846.24	850.55	849.11	850.90	846.90	850.60	848.32
MW-301	Corrective Action	---	---	814.31	812.36	812.89	811.15	813.84	809.95	811.05	810.58	811.20	811.86	813.42	810.54	816.16	811.34
MW-302R <sup>(2)</sup>	Assessment	---	---	817.65	817.05	817.70	816.00	818.27	812.11	818.19	814.27	817.83	817.31	818.40	816.15	818.71	816.23
MW-303	Assessment	---	---	810.48	809.64	809.28	808.20	808.80	807.01	808.59	807.94	809.15	809.43	808.83	808.32	810.57	808.94
MW-304R <sup>(3)</sup>	Assessment	---	---	809.45	809.30	808.27	808.57	808.39	806.19	805.52	807.39	806.29	808.06	806.53	807.70	809.20	809.06
MW-305	Assessment	---	---	---	---	---	---	---	---	813.45	810.14	809.45	811.41	810.60	810.48	813.09	812.09
MW-306	Delineation	---	---	---	---	---	---	---	---	810.34	809.32	809.90	809.73	810.14	809.29	811.23	810.78
MW-307A	Delineation	---	---	---	---	---	---	---	---	810.59	809.56	810.91	810.01	810.53	809.59	811.25	---
MW-307B	Not in HMSP	---	---	---	---	---	---	---	---	804.75	809.97	810.77	810.93	810.95	810.28	810.36	---
MW-308	Not in HMSP	---	---	---	---	---	---	---	---	811.19	809.69	810.58	810.78	811.10	810.28	811.97	---
MW-501	Detection	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-502	Future Detection	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table 12**  
**Corrective Action Monitoring - Historical Groundwater Elevations**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
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Monitoring Well	Current Monitoring Program (Fall 2024)	2017		2018		2019		2020		2021		2022		2023		2024	
		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
MW-9AR	Background	835.46	833.95	--	856.00	857.08	856.22	856.67	855.72	856.78	855.88	857.00	853.45	856.28	853.25	856.53	855.50
MW-15	Assessment	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	812.72	811.07
MW-16	Not in HMSP	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	813.93	814.08
MW-18	Corrective Action	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	822.27	820.66
MW-19	Corrective Action	839.74	837.63	837.78	839.92	842.93	840.73	842.52	840.13	842.47	839.20	843.08	837.68	840.01	837.04	840.78	839.29
MW-20	Corrective Action	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	811.37	810.62
MW-22	Assessment	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	831.56	831.00
MW-23	Not in HMSP	--	--	839.74	--	--	--	841.08	839.70	840.55	838.71	841.03	837.66	840.25	838.76	840.60	839.51
MW-24	Assessment	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	811.15	809.56
MW-26A	Assessment	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	810.61	809.65
MW-27	Not in HMSP	--	Dry	810.99	812.08	--	--	813.30	811.20	813.90	810.23	813.07	809.83	811.54	809.50	811.43	810.70
MW-28	Not in HMSP	810.98	809.48	810.58	811.43	813.54	810.63	812.51	810.63	813.03	809.70	812.34	809.32	810.93	809.04	810.87	810.10
MW-29	Delineation	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	811.81	810.77
MW-30	Delineation	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	811.68	810.32
MW-201A	Not in HMSP	--	--	--	--	--	--	864.92	864.84	864.90	859.06	865.35	858.54	864.61	861.79	865.45	863.34
MW-201B	Background	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	861.47	849.16
MW-201C	Not in HMSP	--	--	--	822.13	--	--	822.58	822.50	823.38	817.67	820.43	816.46	820.26	818.48	817.81	817.33
MW-204A	Not in HMSP	--	--	--	817.54	--	--	818.03	816.69	--	816.54	817.12	809.99	812.80	811.01	815.34	814.74
MW-204C	Not in HMSP	--	--	--	816.33	--	--	815.32	814.63	--	811.67	813.50	812.30	814.96	814.02	812.39	815.57
MW-211A <sup>(1)</sup>	Not in HMSP	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	844.74	842.15
MW-211D	Not in HMSP	--	--	--	847.79	--	--	815.82	--	--	857.04	814.15	811.19	813.97	812.45	813.11	812.82
MW-213A	Not in HMSP	--	--	--	--	--	--	--	--	--	814.94	816.74	813.18	816.96	815.41	817.64	817.78
MW-213D	Not in HMSP	--	--	--	--	--	--	--	--	--	810.73	813.73	810.62	813.39	812.39	812.50	812.55
MW-213E	Not in HMSP	--	--	--	--	--	--	--	--	--	810.77	813.74	810.63	813.42	812.46	812.49	812.56
MW-214 <sup>(1)</sup>	Not in HMSP	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	825.81	824.60
MW-215 <sup>(1)</sup>	Not in HMSP	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	815.23	813.71
MW-216	Not in HMSP	--	--	--	--	--	--	838.53	--	--	836.87	839.42	835.98	838.24	836.67	838.55	837.53
MW-218	Not in HMSP	--	--	809.27	812.27	--	811.32	811.74	811.60	--	810.07	811.52	809.44	810.89	809.42	811.06	810.93
MW-300	Assessment	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	849.17	847.99
MW-301	Corrective Action	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	812.43	811.18
MW-302R <sup>(2)</sup>	Assessment	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	817.53	820.13
MW-303	Assessment	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	810.11	809.37
MW-304R <sup>(3)</sup>	Assessment	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	808.42	810.38
MW-305	Assessment	811.12	810.10	810.53	813.19	813.95	813.95	813.55	813.60	814.00	812.25	812.54	810.21	811.74	808.56	811.84	813.16
MW-306	Delineation	811.06	810.19	810.79	811.23	812.49	810.92	811.70	810.79	812.26	810.60	812.01	810.16	811.01	807.91	811.05	810.44
MW-307A	Delineation	811.43	--	811.73	812.70	813.63	812.36	813.27	812.25	813.61	811.92	813.40	811.49	812.47	811.28	812.46	811.81
MW-307B	Not in HMSP	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	812.88	812.67
MW-308	Not in HMSP	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	813.09	810.53
MW-501	Detection	--	--	--	--	--	--	--	--	816.57	814.49	816.17	812.87	815.19	811.79	815.74	815.05
MW-502	Future Detection	--	--	--	--	--	--	--	--	810.90	810.57	810.81	810.10	810.79	808.96	811.29	810.57

**Table 12**  
**Corrective Action Monitoring - Historical Groundwater Elevations**  
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Comments:

"-" Denotes groundwater measurement was not collected.

<sup>(1)</sup> MW-211A, MW-214, and MW-215 were removed from the background monitoring network in the 2021 *Hydrologic Monitoring System Plan* (HDR, 2021).

<sup>(2)</sup> MW-302 was replaced with MW-302R on 09/07/2021 in the same location.

<sup>(3)</sup> MW-304 was replaced with MW-304R on 08/31/2020 in the same location.

• This table presents the semiannual groundwater elevations at Site 2 to monitor the performance of source control measures implemented for the benzene and cobalt groundwater remedies (HDR, 2017 and 2019b).



**Table 13**  
**Corrective Action Monitoring - Monthly Leachate Extraction Well Elevations**  
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Month/Year	Monthly Leachate Elevations (ft amsl) in Leachate Extraction Wells - Closed 30-Acre Cell <sup>(1)</sup>										
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
<b>Leachate Levels Collected Prior to Leachate Collection System Renovations</b>											
Jan. 2015	844.05	850.26	850.46	846.25	834.77	865.01	865.38	858.23	855.65	857.94	843.28
Feb. 2015	843.64	849.88	849.56	845.77	834.44	864.58	864.43	857.57	854.67	857.79	844.29
Mar. 2015	845.80	851.54	850.42	845.88	834.38	867.63	864.79	857.40	855.74	859.14	846.81
Apr. 2015	842.95	853.17	852.67	847.37	835.03	867.26	866.90	859.73	857.43	859.99	850.15
May 2015	842.49	852.53	852.93	847.88	835.68	866.30	867.24	860.75	857.83	859.64	838.72
Jun. 2015	842.57	852.84	853.63	848.33	835.71	866.76	867.14	860.40	858.30	859.69	843.68
Jul. 2015	842.41	852.36	852.92	848.71	835.98	862.69	866.41	859.30	857.74	860.69	837.80
Aug. 2015	839.70	850.79	851.62	847.91	835.43	860.63	864.98	857.99	856.17	858.94	838.35
Sept. 2015	841.44	849.86	850.31	846.59	834.95	862.36	863.77	857.15	854.80	858.19	834.70
Oct. 2015	841.97	849.44	849.50	845.77	834.34	862.10	862.99	856.67	853.75	857.69	840.30
Nov. 2015	839.43	849.43	849.26	845.10	834.82	863.93	864.65	857.80	855.35	859.09	845.37
Dec. 2015	839.55	850.42	851.46	845.85	833.74	857.38	865.04	857.83	856.05	859.31	847.22
Jan. 2016	838.95	852.40	853.00	848.31	835.35	863.96	866.39	859.39	857.58	855.04	851.25
Feb. 2016	839.55	852.42	852.69	848.11	835.28	866.38	866.51	859.51	858.28	860.09	852.58
Mar. 2016	842.95	853.08	853.70	848.62	834.99	865.63	867.08	859.91	858.85	860.39	854.45
Apr. 2016	840.54	854.01	854.15	849.65	835.45	865.63	867.73	860.70	859.93	861.39	856.08
May 2016	843.02	853.09	853.50	849.39	833.66	863.73	867.34	860.36	859.51	861.79	856.25
Jun. 2016	849.35	851.74	838.55	834.20	819.35	852.36	865.60	859.27	843.80	856.73	834.23
<b>Average</b>	<b>842.24</b>	<b>851.63</b>	<b>851.13</b>	<b>846.65</b>	<b>834.08</b>	<b>863.57</b>	<b>865.80</b>	<b>858.89</b>	<b>856.19</b>	<b>859.09</b>	<b>845.31</b>
<b>Leachate levels Collected after 2016 Leachate Collection System Renovations (HDR, 2017 and 2019a)</b>											
Jul. 2016	849.81	851.25	839.43	833.59	819.84	852.64	865.71	858.77	845.19	855.60	845.10
Aug. 2016	852.52	851.62	838.54	833.29	820.53	852.99	866.12	858.88	844.42	855.45	830.11
Sept. 2016	854.29	852.34	838.81	833.47	819.51	852.28	866.96	859.59	844.36	855.66	835.35
Oct. 2016	853.72	851.10	838.27	833.55	819.95	852.79	865.17	857.86	844.59	854.98	835.92
Nov. 2016	853.85	851.21	838.56	833.89	819.93	851.98	865.45	858.40	844.52	854.97	835.66
Dec. 2016	853.50	850.98	838.74	833.89	818.03	852.59	865.15	858.07	844.64	854.79	834.89
Jan. 2017	853.55	851.27	838.50	833.84	819.45	852.84	865.21	858.15	851.25	854.71	835.72
Feb. 2017	853.49	851.25	837.63	833.95	820.71	853.33	864.97	857.95	851.30	854.48	842.60
Mar. 2017	853.96	851.44	838.39	833.05	820.67	853.36	865.67	858.74	862.66	855.19	836.11
Apr. 2017	855.14	853.01	838.87	832.75	819.56	852.85	867.87	860.72	838.30	855.83	835.21
May 2017	855.08	852.69	838.96	833.57	819.20	851.58	867.53	861.19	838.30	856.02	834.51
Jun. 2017	854.43	851.80	838.78	833.23	819.19	853.21	864.55	860.05	843.51	855.52	836.09
Jul. 2017	853.56	850.97	838.41	832.99	819.65	851.85	865.60	858.92	843.62	855.00	835.31
Aug. 2017	853.13	850.62	838.43	833.31	820.15	851.77	865.20	858.20	844.31	854.63	835.48
Sept. 2017	852.62	848.44	838.78	833.99	820.29	853.34	862.52	855.68	844.57	854.17	836.01
Oct. 2017	852.32	849.69	839.00	833.80	819.89	851.91	863.37	856.74	844.09	853.79	836.02
Nov. 2017	852.08	849.54	839.49	834.07	820.26	852.49	863.39	856.71	844.46	853.46	835.60
Dec. 2017	851.96	849.49	838.94	834.04	819.04	852.29	863.27	856.71	843.39	853.18	835.71
Jan. 2018	851.59	849.18	839.24	834.67	820.75	853.99	862.61	856.33	846.55	852.79	837.70
Feb. 2018	851.57	849.05	838.99	832.53	819.67	853.22	862.78	856.45	843.80	852.71	835.81
Mar. 2018	852.69	850.66	839.29	833.53	820.67	852.73	864.57	857.51	843.47	853.77	835.71
Apr. 2018	853.56	851.90	839.43	833.79	819.85	851.98	865.67	858.11	843.69	854.58	835.44
May 2018	853.82	851.79	838.69	833.91	820.40	852.65	866.90	858.49	844.43	854.72	835.46
Jun. 2018	853.38	851.13	838.40	834.07	820.20	851.76	865.98	857.91	844.24	854.54	835.85
Jul. 2018	853.12	850.73	838.99	832.60	820.04	853.03	865.54	857.48	844.58	854.30	835.04
Aug. 2018	852.82	846.97	839.13	833.21	820.35	851.71	864.93	857.04	844.74	854.05	835.60
Sept. 2018	854.33	852.62	838.81	833.36	-	853.31	867.57	858.57	843.10	854.65	836.06
Oct. 2018	854.61	853.41	848.71	839.86	826.19	851.67	867.99	858.79	844.70	854.66	834.70
Nov. 2018	854.60	851.81	838.99	833.74	820.36	852.66	866.96	858.32	843.97	854.48	836.97
Dec. 2018	854.73	852.35	839.01	833.84	820.25	852.36	865.94	859.06	-	854.78	-
Jan. 2019	854.71	852.35	838.95	833.73	819.52	853.24	867.40	859.91	842.97	855.72	834.23
Feb. 2019	854.63	852.29	846.04	838.77	818.92	860.27	867.11	859.32	844.71	855.35	835.62
Mar. 2019	853.76	851.39	839.35	837.16	822.37	857.93	865.99	858.63	844.18	854.85	834.10



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Month/Year	Monthly Leachate Elevations (ft amsl) in Leachate Extraction Wells - Closed 30-Acre Cell <sup>(1)</sup>										
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
Apr. 2019	854.63	852.23	849.42	832.99	820.64	852.87	866.63	859.42	843.65	855.56	834.98
May 2019	855.74	854.37	849.42	832.44	844.91	853.29	868.33	860.39	847.71	856.18	834.86
Jun. 2019	855.63	854.46	839.40	833.49	819.38	853.14	867.47	859.88	843.63	855.96	845.27
Jul. 2019	854.57	851.83	839.51	832.78	820.33	852.14	865.60	858.01	844.51	855.31	836.00
Aug. 2019	853.79	851.18	839.06	833.75	820.12	852.03	864.90	857.56	844.32	854.95	835.45
Sep. 2019	853.22	850.60	839.26	833.82	820.47	852.47	864.03	856.79	843.42	854.51	835.63
Oct. 2019	853.50	851.29	839.50	833.56	819.22	852.69	865.50	857.33	844.21	855.18	836.02
Nov. 2019	854.57	852.00	839.24	833.62	819.25	852.77	866.80	858.96	844.23	855.31	835.59
Dec. 2019	855.22	852.51	838.20	833.43	819.28	852.10	868.08	860.13	844.82	856.07	835.77
Jan. 2020	854.73	852.87	839.26	833.18	818.98	852.35	867.71	859.95	844.48	855.90	836.14
Feb. 2020	854.66	851.97	838.91	833.21	820.70	852.37	866.53	859.16	844.71	855.55	842.62
<b>Average</b>	<b>853.71</b>	<b>851.40</b>	<b>839.77</b>	<b>833.85</b>	<b>820.67</b>	<b>852.88</b>	<b>865.76</b>	<b>858.43</b>	<b>844.80</b>	<b>854.86</b>	<b>836.23</b>
<b>Leachate levels Collected after 2020 Gas Collection and Control System Improvements (HDR, 2021 and 2024a)</b>											
Mar. 2020	845.10	851.79	838.75	833.59	820.63	852.18	867.00	848.62	844.30	855.50	835.92
Apr. 2020	846.84	852.54	839.08	834.06	819.72	852.19	867.68	849.39	844.33	856.15	834.62
May 2020	846.19	852.05	838.94	833.74	818.90	852.09	866.64	849.59	844.51	855.92	836.00
Jun. 2020	846.75	852.31	--	833.71	819.02	853.12	867.17	847.71	844.35	855.98	835.29
Jul. 2020	846.65	851.79	839.39	834.02	820.38	852.35	866.66	849.65	844.10	855.88	837.01
Aug. 2020	846.25	850.36	839.22	832.65	820.77	852.06	864.57	850.45	844.61	855.08	835.83
Sep. 2020	846.20	849.84	839.44	834.09	820.16	852.53	863.75	849.68	844.48	855.87	835.28
Oct. 2020	846.69	850.23	839.00	834.06	820.25	852.20	864.64	848.73	844.33	854.57	834.37
Nov. 2020	846.13	850.50	838.84	834.40	817.15	852.85	864.97	848.91	843.76	854.89	836.04
Dec. 2020	846.41	851.09	838.48	833.93	819.34	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	852.56	845.98	849.58	844.55	854.30	835.97
Feb. 2022	843.79	849.25	839.13	832.80	820.25	850.16	847.90	849.06	846.30	854.12	833.17
Mar. 2022	846.25	849.13	838.87	833.94	820.31	851.76	847.10	849.52	844.16	853.88	836.10
Apr. 2022	845.69	851.71	839.40	832.87	819.79	862.51	846.85	849.47	843.97	856.40	835.53
May 2022	846.41	852.54	839.34	833.85	819.49	852.40	846.20	847.74	844.04	856.14	835.48
Jun. 2022	846.69	850.97	839.30	833.30	820.70	852.90	846.36	849.26	844.22	855.18	836.13
Jul. 2022	846.70	850.28	839.19	833.91	820.42	852.53	847.11	849.45	844.03	855.05	835.93
Aug. 2022	847.35	849.87	839.23	834.00	818.97	851.66	846.53	849.39	844.00	854.85	835.00
Sep. 2022	845.03	849.45	839.25	833.41	820.72	852.07	847.30	849.35	843.90	854.62	834.93
Oct. 2022	846.15	849.03	839.21	833.10	819.63	852.54	847.25	849.44	844.73	854.28	860.20
Nov. 2022	846.67	848.48	839.00	833.83	820.49	852.67	849.24	849.21	844.80	854.03	835.08
Dec. 2022	846.59	848.56	838.83	833.86	819.99	853.11	846.07	848.36	843.79	854.02	832.48
Jan. 2023	847.25	848.79	839.43	833.35	820.65	852.36	847.00	849.50	844.41	854.83	836.11
Feb. 2023	846.94	849.39	838.99	832.81	819.21	853.36	846.34	849.57	844.11	854.66	836.02
Mar. 2023	847.29	851.07	839.41	833.19	819.10	851.63	846.42	849.00	843.89	855.58	835.92
Apr. 2023	846.20	850.94	838.56	833.73	820.15	852.36	847.31	849.19	843.36	855.74	833.48
May 2023	847.38	850.77	838.92	833.95	819.53	853.29	847.28	849.45	844.33	855.46	835.89
Jun. 2023	847.26	850.22	839.19	833.53	820.52	849.74	848.87	849.51	844.03	855.10	835.96
Jul. 2023	846.96	849.67	838.87	832.83	820.39	853.05	846.60	848.84	844.75	854.75	836.53

**Table 13**  
**Corrective Action Monitoring - Monthly Leachate Extraction Well Elevations**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Month/Year	Monthly Leachate Elevations (ft amsl) in Leachate Extraction Wells - Closed 30-Acre Cell <sup>(1)</sup>										
	LW-1	LW-2	LW-3	LW-4	LW-5	LW-7	LW-8	LW-9	LW-10	LW-11	LW-12
Aug. 2023	846.13	849.35	838.89	833.94	820.54	852.76	847.08	849.59	844.58	854.51	836.83
Sep. 2023	847.15	849.03	839.12	833.37	819.69	852.56	846.17	849.35	843.52	854.41	836.92
Oct. 2023	847.36	848.89	839.34	833.82	819.82	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.
Dec. 2023	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.
<b>Average</b>	<b>846.74</b>	<b>850.36</b>	<b>839.17</b>	<b>833.63</b>	<b>819.96</b>	<b>852.52</b>	<b>854.57</b>	<b>849.33</b>	<b>844.28</b>	<b>855.07</b>	<b>836.01</b>
<b>Leachate levels Collected after 2023 30-Acre Cell Improvements Project (HDR, 2024d)</b>											
Jan. 2024	853.81	848.22	839.03	833.07	819.40	852.76	846.57	849.62	843.91	853.85	837.01
Feb. 2024	846.26	848.50	839.49	832.73	819.80	853.09	847.19	849.02	848.56	855.60	838.36
Mar. 2024	845.88	848.83	838.86	833.71	820.74	852.80	847.00	849.34	844.79	854.70	838.28
Apr. 2024	846.47	849.52	838.88	833.52	820.15	849.76	854.85	849.68	843.67	855.87	832.50
May 2024	846.71	850.65	838.11	833.25	820.69	862.51	847.18	849.65	844.48	855.85	829.59
Jun. 2024	846.15	851.10	838.99	833.23	820.47	852.59	847.25	849.55	844.63	856.03	835.98
Jul. 2024	846.76	850.95	839.31	833.46	820.02	853.01	847.23	849.46	844.11	855.92	835.87
Aug. 2024	846.93	852.25	839.34	833.06	814.23	853.12	846.95	849.61	844.51	856.87	832.50
Sep. 2024	847.34	851.23	839.34	833.93	814.23	851.95	846.80	848.55	843.81	856.09	835.91
Oct. 2024	846.95	850.26	839.34	833.96	814.23	852.31	846.12	849.46	844.78	855.59	836.03
Nov. 2024	846.94	850.80	839.09	833.40	820.26	852.81	846.42	849.60	844.63	856.70	836.05
Dec. 2024	846.90	851.42	838.85	833.73	820.74	853.19	846.76	849.65	843.17	856.01	832.49
<b>Average</b>	<b>847.26</b>	<b>850.31</b>	<b>839.05</b>	<b>833.42</b>	<b>818.75</b>	<b>853.32</b>	<b>847.53</b>	<b>849.43</b>	<b>844.59</b>	<b>855.76</b>	<b>835.05</b>

Comments:

"-" Indicates the transducer was not working and the level could not be obtained.

GCCS = gas collection and control system

LCS = leachate collection system

N.M. = not measured. During November and December 2023, utility work and leachate collection system improvements were being conducted as part of the 30-Acre Cell Improvements project (HDR, 2024d) which prevented access to personnel for leachate level measurements at wells LW-1 through LW-12.

<sup>(1)</sup> The underground leachate storage tank (LW-6) was abandoned in late 2023 as part of the 30-Acre Cell Improvements project (HDR, 2024d); therefore, LW-6 was removed from this table in 2024.

- This table presents monthly leachate elevations measured in the leachate extraction wells located in the 30-Acre Cell to monitor the performance of source control measures implemented for the benzene and cobalt groundwater remedies (HDR, 2017 and 2019b).
- After the installation of pumps in LW-3, LW-4, LW-5, LW-7, LW-10, and LW-12 in 2016 (HDR, 2017 and 2019a), a decrease of approximately 9 to 14 feet in average leachate elevations was observed at those locations. In March 2020, pumps were installed in LW-1 and LW-9 as part of the GCCS project (HDR, 2021 and 2024a). As a result, average leachate elevations decreased by approximately 7 feet at LW-1 and approximately 9 feet at LW-9. In August 2021, a leachate pump was installed in LW-8 which has resulted in a leachate elevation decrease of approximately 17 feet. Review of the 2024 leachate elevations indicates elevations have remained fairly consistent with the 2023 elevations.

**Table 14**  
**Corrective Action Monitoring - Quarterly Leachate Elevations in Gas Wells**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Month/Year	GW-1R <sup>(1)</sup>	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-11	GW-12	GW-13	GW-14
BOS Elevation	855.80	843.21	841.65	854.27	838.07	838.77	845.19	831.91	840.02	839.61	847.55	829.85	844.97	844.94
TOS Elevation	875.80	888.21	888.65	880.27	890.07	901.77	896.19	870.91	899.02	904.61	886.55	869.85	882.97	900.94
Feb. 2016	Installed March 2020	869.55	871.52	880.22	867.88	874.81	854.42	854.05	852.89	873.26	852.30	844.06	870.22	858.95
May 2016		873.51	874.45	881.39	872.69	875.96	854.42	855.75	865.86	873.91	852.45	844.16	874.48	859.17
Aug. 2016		871.84	872.44	880.84	861.22	874.59	854.42	846.44	852.84	877.31	852.40	843.09	868.84	859.18
Oct. 2016		870.83	872.98	880.95	861.17	874.19	866.31	846.74	855.44	877.18	862.40	842.55	866.59	867.32
Jan. 2017		871.94	872.15	880.12	866.96	874.49	860.44	846.30	852.82	878.66	854.43	842.43	874.50	875.86
May 2017		873.80	874.75	882.06	871.98	874.14	860.33	846.90	852.82	876.16	852.10	842.56	869.39	858.72
Sept. 2017		871.10	872.63	882.07	869.28	873.48	853.52	846.43	858.72	870.36	852.21	842.34	871.00	857.33
Nov. 2017		869.35	871.64	881.21	867.72	873.15	854.41	846.27	852.93	873.06	852.45	841.85	873.56	859.19
Jan. 2018		867.77	870.13	880.14	866.28	872.49	867.77	845.72	863.46	872.68	865.18	841.16	873.01	870.82
May 2018		871.53	869.86	880.04	863.74	873.27	880.84	846.32	864.09	877.23	873.77	841.36	872.48	877.34
Aug. 2018		869.85	869.39	879.99	867.81	872.01	876.91	846.36	864.55	874.56	851.68	841.29	874.50	879.57
Oct. 2018		873.92	871.37	882.13	871.64	872.30	888.97	847.19	864.66	874.18	867.37	841.06	872.91	885.00
Feb. 2019		874.28	872.83	882.71	873.48	873.76	890.36	847.30	866.28	876.68	884.75	843.24	875.22	887.25
Apr. 2019		875.03	873.39	882.38	874.40	873.66	892.78	848.05	866.34	877.86	887.33	843.34	875.60	888.80
Aug. 2019		872.94	873.32	883.31	873.19	873.46	889.94	847.35	866.03	879.15	888.45	843.36	875.95	887.95
Oct. 2019		874.84	873.29	882.78	873.30	873.57	892.96	847.93	866.69	879.04	887.87	842.79	874.64	889.48
Jan. 2020		875.43	874.61	885.36	872.88	871.11	890.25	848.11	864.34	878.92	889.17	843.30	873.37	888.64
May 2020	876.17	872.54	868.21	852.29	849.41	859.39	848.81	859.06	852.67	872.98	842.69	857.51	861.95	
Jul. 2020	866.32	875.14	871.24	868.05	852.19	849.39	859.03	848.45	859.67	852.50	871.38	842.37	857.20	861.85
Nov. 2020	866.43	874.63	869.63	877.59	852.27	849.6	859.38	848.31	858.94	852.82	858.68	842.12	857.26	861.98
Mar. 2021	866.46	873.02	868.08	868.04	852.14	849.48	859.30	848.22	858.94	852.78	858.72	841.71	857.25	862.94
Jul. 2021	866.23	873.37	869.51	868.09	852.26	848.53	859.16	848.09	858.70	852.38	858.59	842.04	857.15	861.79
Sep. 2021	865.84	872.61	868.17	867.90	852.04	848.42	859.20	847.44	858.63	852.63	858.39	841.89	857.25	861.93
Nov. 2021	865.83	874.17	867.67	868.26	852.32	848.76	859.5	847.02	858.88	852.87	858.76	841.38	857.8	862.3
Feb. 2022	865.66	872.31	867.19	870.03	852.07	848.45	859.19	847.19	860.64	852.67	858.66	841.49	857.23	862.84
Apr. 2022	866.00	874.77	868.63	868.51	852.28	849.01	859.69	848.24	860.88	852.91	858.70	841.61	858.08	862.33
Aug. 2022	865.80	872.91	869.33	868.09	852.29	848.59	859.35	847.69	860.35	852.67	858.56	842.84	857.42	862.84
Oct. 2022	865.54	870.96	868.22	868.09	852.1	848.73	859.31	846.92	860.24	852.56	858.61	842.1	857.55	862.93
Jan. 2023	865.63	870.27	867.51	867.87	852.12	848.43	859.21	847.04	860.51	852.18	858.42	841.84	857.10	862.06
Apr. 2023	866.07	874.39	869.71	868.11	852.10	849.08	859.48	848.04	860.36	852.89	868.55	843.20	857.34	863.01
Jul. 2023	865.90	872.80	869.51	868.07	852.07	848.76	859.18	847.87	859.76	852.68	868.77	842.52	857.79	863.04
Oct. 2023	865.48	870.06	868.11	867.98	852.04	848.74	859.24	846.93	859.71	852.78	868.48	841.44	857.87	863.07
Feb. 2024	865.44	870.46	867.24	868.02	852.17	858.94	859.36	846.64	859.91	852.87	868.28	840.95	857.66	863.16
May 2024	866.22	875.06	870.81	868.03	853.47	854.04	859.59	848.55	859.92	853.01	866.78	843.02	858.04	863.27
Sep. 2024	866.58	873.37	871.42	867.94	852.09	854.04	859.28	848.45	859.58	852.92	866.38	844.38	858.07	862.85
Nov. 2024	866.33	871.65	871.45	876.23	852.17	848.79	858.89	848.01	859.45	852.92	858.37	843.67	857.47	862.93

**Table 14**  
**Corrective Action Monitoring - Quarterly Leachate Elevations in Gas Wells**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Comments:

BOS = bottom of screen

EXT. = gas wells were extended and inaccessible; no readings were obtained

N.M. = gas well leachate level not measured

TOS = top of screen

<sup>(1)</sup> GW-1R was installed during the gas expansion project in 2020 (HDR, 2021 and 2024a). The first reading for GW-1R was taken in Jul 2020.

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

- This table presents leachate elevations measured in the gas wells located in the 30-Acre Cell to monitor performance of source control measures implemented for the benzene and cobalt groundwater remedies (HDR, 2017 and 2019b).

- The leachate elevations measured in the gas wells located in the 30-Acre Cell are further evaluated for the percent of screen available in Table 15. Evaluation of performance is provided in Table 15.

**Table 15**  
**Corrective Action Monitoring - Gas Well Percent Available Screen Summary**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Month/Year	Precipitation (inches)	Percent Available Screen in Gas Wells - 30-Acre Cell													
		GW-1R <sup>(1)</sup>	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-11	GW-12	GW-13	GW-14
<b>Average Pre-Startup</b>		N.M.	53%	38%	6%	53%	56%	74%	46%	72%	45%	84%	63%	47%	66%
Aug. 2016	7.01	N.M.	36%	34%	0%	55%	43%	82%	63%	78%	42%	88%	67%	37%	75%
Oct. 2016	1.50	N.M.	39%	33%	0%	56%	44%	59%	62%	74%	42%	62%	68%	43%	60%
Jan. 2017	0.88	N.M.	36%	35%	1%	44%	43%	70%	63%	78%	40%	82%	69%	22%	45%
May 2017	4.27	N.M.	32%	30%	0%	35%	44%	70%	62%	78%	44%	88%	68%	36%	75%
Sept. 2017	0.40	N.M.	38%	34%	0%	40%	45%	84%	63%	68%	53%	88%	69%	32%	78%
Nov. 2017	0.57	N.M.	42%	36%	0%	43%	45%	82%	63%	78%	49%	87%	70%	25%	75%
<b>Average 2016-2017</b>		N.M.	37%	34%	0%	46%	44%	75%	63%	76%	45%	83%	69%	33%	68%
Jan. 2018	0.03	N.M.	45%	39%	1%	46%	46%	56%	65%	60%	49%	55%	72%	26%	54%
May 2018	5.59	N.M.	37%	40%	1%	51%	45%	30%	63%	59%	42%	33%	71%	28%	42%
Sept. 2018	8.20	N.M.	41%	41%	1%	43%	47%	38%	63%	58%	46%	89%	71%	22%	38%
Nov. 2018	1.61	N.M.	32%	37%	0%	35%	47%	14%	61%	58%	47%	49%	72%	26%	28%
Feb. 2019	1.99	N.M.	31%	34%	0%	32%	44%	11%	61%	55%	43%	5%	67%	20%	24%
May 2019	7.99	N.M.	29%	32%	0%	30%	45%	7%	59%	55%	41%	0%	66%	19%	22%
Sept. 2019	6.51	N.M.	34%	33%	0%	32%	45%	12%	60%	56%	39%	0%	66%	18%	23%
Nov. 2019	1.28	N.M.	30%	33%	0%	32%	45%	6%	59%	55%	39%	0%	68%	22%	20%
Jan. 2020	0.72	N.M.	28%	30%	0%	33%	49%	12%	58%	59%	40%	0%	66%	25%	22%
<b>Average 2018-Q1 2020</b>		N.M.	34%	35%	0%	37%	46%	21%	61%	57%	43%	26%	69%	23%	30%
May 2020	2.49	N.M.	27%	34%	46%	73%	83%	72%	57%	68%	80%	35%	68%	67%	70%
Jul. 2020	4.49	47%	29%	37%	47%	73%	83%	73%	58%	67%	80%	39%	69%	68%	70%
Nov. 2020	2.15	47%	30%	40%	10%	73%	83%	72%	58%	68%	80%	71%	69%	68%	70%
Mar. 2021	1.77	47%	34%	44%	47%	73%	83%	72%	58%	68%	80%	71%	70%	68%	68%
Jul. 2021	0.79	48%	33%	41%	47%	73%	85%	73%	59%	68%	80%	72%	70%	68%	70%
Sep. 2021	1.65	50%	35%	44%	48%	73%	85%	73%	60%	68%	80%	72%	70%	68%	70%
Nov. 2021	0.77	50%	31%	45%	46%	73%	84%	72%	61%	68%	80%	71%	71%	66%	69%
Feb. 2022	0.25	51%	35%	46%	39%	73%	85%	73%	61%	65%	80%	72%	71%	68%	68%
Apr. 2022	2.51	49%	30%	43%	45%	73%	84%	72%	58%	65%	80%	71%	71%	66%	69%
Aug. 2022	2.76	50%	34%	41%	47%	73%	84%	72%	60%	66%	80%	72%	68%	67%	68%
Oct. 2022	1.90	51%	38%	43%	47%	73%	84%	72%	62%	66%	80%	72%	69%	67%	68%
Jan. 2023	1.19	51%	40%	45%	48%	73%	85%	73%	61%	65%	81%	72%	70%	68%	69%
Apr. 2023	1.44	49%	31%	40%	47%	73%	84%	72%	59%	66%	80%	46%	67%	67%	68%
Jul. 2023	2.09	49%	34%	41%	47%	73%	84%	73%	59%	67%	80%	46%	68%	66%	68%
Oct. 2023	2.96	52%	40%	44%	47%	73%	84%	72%	61%	67%	80%	46%	71%	66%	68%
Feb. 2024	0.26	52%	39%	46%	47%	73%	68%	72%	62%	66%	80%	47%	72%	67%	67%
May 2024	6.78	48%	29%	38%	47%	70%	76%	72%	57%	66%	79%	51%	67%	66%	67%
Sep. 2024	0.09	46%	33%	37%	47%	73%	76%	72%	58%	67%	80%	52%	64%	66%	68%
Nov. 2024	4.15	47%	37%	37%	16%	73%	84%	73%	59%	67%	80%	72%	65%	67%	68%
<b>Average Q2 2020-Q4 2024</b>		49%	34%	41%	43%	73%	82%	72%	59%	67%	80%	60%	69%	67%	69%

Comments:

N.M. - no measurement was taken.

<sup>(1)</sup> GW-1R was installed during the gas expansion project in 2020 (HDR, 2021 and 2024a). The first reading for GW-1R was taken in Q3 (July) of 2020.

• This table presents the percent screen available based on the leachate elevations measured in the gas wells located in the 30-Acre Cell. Results are utilized to monitor the performance of source control measures implemented for the benzene and cobalt groundwater remedies (HDR, 2017 and 2019b).

• Averages of the screen available prior to and following the leachate collection system improvements completed in 2016 and 2020, as further discussed in Table 10, are shown in the gray highlighted rows.

• The gas well elevation data indicates leachate extraction efforts resulted in a measurable change in the overall leachate elevations (shown in Tables 14 and 15) and screen availability (shown in Table 15). The 2024 gas well elevations and percent screen available generally indicate continued performance of the previously implemented source control measures. As detailed in Table 10, additional leachate collection system improvements were completed in 2023 and 2024. Some individual measurements may indicate a reduction in performance including the slight reduction in screen available at GW-1R over 2024, the Nov. 2024 reduction at GW-4, the Feb. 2024 reduction at GW-6, and the Apr. 2023 through Sep. 2024 reductions at GW-11. These locations will be closely monitored in 2025 to determine whether the short-term reductions are trending toward a longer term reduction in performance and if additional actions are recommended to address leachate levels at these locations.

**Table 16**  
**Corrective Action Monitoring - Summary of Gas System Metrics**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Time Period	Operational Runtime	Runtime Percentage	Average Collection Flow Rate	Average Gas Quality
	(Hours)	(%)	(SCFM)	(% Methane)
<b>Prior to Leachate Renovation Start-up</b>				
01/01/16 - 06/21/16	4,087.2	98.44	340.08	53.08
<b>Following Leachate Renovation Start-up</b>				
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
01/01/24 - 12/31/24	8,385.9	95.47	710.05	57.62

Comments:

% = percent

SCFM = standard cubic feet per minute

• As a source control monitoring activity for the 30-Acre Cell, measurement and evaluation of the gas collection and control system (GCCS) operational metrics, including wellhead data, operational runtime, gas flow rates, and gas quality, was continued in 2024. These metrics were originally included in the Annual Water Quality Report (AWQR) to monitor trends in the 30-Acre Cell; however, several GCCS expansion projects have been constructed adding vertical and horizontal gas collection wells in the 13-Acre Cell and Phases 1-4. As a result, the increases in the average collection flow rate and methane content are primarily due to the GCCS expansions. While the gas system metrics continued to be monitored, the results are indicative of the overall Site 2 GCCS performance which includes the 30-Acre Cell, 13-Acre Cell, and Phases 1-4. Since the GCCS operational metrics cannot be isolated to the closed 30-Acre Cell, Foth recommends discontinuing the measurement and evaluation of the GCCS operational metrics for remedy source control performance.

Recommendations:

• On behalf of the Cedar Rapids Linn County Solid Waste Agency, Foth Infrastructure & Environment, LLC requests to discontinue measuring and evaluating the GCCS operational metrics as a source control measure for the approved benzene and cobalt groundwater remedies (HDR, 2017 and 2021).

**Table 17**  
**Leachate Management Summary**  
**2024 Leachate Collection System Performance Evaluation Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Month	Leachate Head Levels (feet above liner)				Leachate Collected (gal)	Volume Recirculated (gal)	Discharged to CRWPC (gal)	Precipitation (in)
	LHW-13A	LPT-P1-2	LPT-P3	LPT-P5				
January	0.017	0.00	0.025	0.64	211,170	0	211,170	2.87
February	0.016	0.00	0.025	0.73	516,218	0	516,218	0.26
March	0.019	0.00	0.025	0.81	361,937	0	361,937	3.09
April	0.016	0.00	0.033	2.51	759,137	0	759,137	4.04
May	0.016	0.00	0.025	1.83	1,012,935	0	1,012,935	6.78
June	0.018	0.00	0.025	0.89	735,848	0	735,848	3.53
July	0.019	0.00	0.025	0.64	368,630	0	368,630	8.68
August	0.028	0.00	0.025	2.13	1,089,909	0	1,089,909	4.33
September	0.024	0.00	0.025	1.22	624,448	0	624,448	0.09
October	0.030	0.00	0.025	0.89	469,152	0	469,152	3.56
November	0.020	0.00	0.033	0.82	581,177	0	581,177	4.15
December	0.030	0.00	0.025	0.93	427,732	0	427,732	1.70
<b>2024 Annual Total</b>					<b>7,158,293</b>	<b>0</b>	<b>7,158,293</b>	<b>43.08</b>

Grey highlighted cells indicate head levels in exceedance of 1 foot of head on the liner.

Comments:

CRWPC = City of Cedar Rapids Water Pollution Control Facility

gal = gallons

in = inches

- The contents of this report are intended to satisfy the requirements set forth in 567 IAC 113.7(5)b and Permit Special Provision X.3.
- As reported in the 2023 AWQR (HDR, 2024a), the flow meter associated with the pump for the 30-Acre Cell was removed in 2023 during the 30-Acre Cell Improvements project (HDR, 2024d) and leachate volumes were no longer monitored independently for the 30-Acre Cell. Therefore, only a site-wide volume is reported for Site 2 starting with this 2024 AWQR.

Maintenance:

- Leachate line cleaning and inspection was last conducted in Apr. 2022. The next line cleaning and inspection will be performed in 2025.

Performance:

- Effective leachate control is defined in accordance with 567 IAC 113.7(5)b(3) as maintaining less than one foot of leachate head over the liner at the system's lowest point(s) within the waste unit.
- Leachate head levels are monitored by a pressure transducer in the side slope risers. LHW-13A monitors head levels for the 13-Acre Cell. LPT-P1-P2 monitors head levels in Phases 1 and 2. LPT-P3 monitors head levels in Phases 3 and 4. LPT-P5 monitors head levels in Phase 5A.
- In 2024, there was no correlation between precipitation and leachate head levels.
- At LHW-13A, LPT-P1-2, and LPT-P3, head levels were below one foot of head over the liner in 2024, indicating compliance with 567 IAC 113.7(5)b(3).
- At LPT-P5, head levels exceeded one foot of head over the liner in Apr., May, and Aug. 2024. Similar to the Jun. and Aug. 2023 head level exceedances reported in the 2023 AWQR (HDR, 2024a), sediment accumulation in the LPT-P5 riser caused the elevated readings in Apr., May, and Aug. 2024. After the elevated readings were recorded, the transducer was pulled and cleaned and the riser was flushed with water. Levels below one foot of head over the liner were measured afterwards. In 2025, if elevated readings are recorded at LPT-P5, field staff will perform maintenance (i.e., pull and clean the transducer and flush the riser). Readings measured after the transducer is flushed will be used as the monthly head level reading.

Leachate Recirculation:

- Permit Special Provision X.5 authorizes leachate recirculation in Phases 1 and 2. Leachate recirculation was not conducted in 2024.

Leachate Disposal:

- In 2024, some correlation was identified between precipitation and leachate volumes.
- The total volume of leachate conveyed via the force main to the CRWPC in 2024 was 7,158,293 gallons, which was higher than the disposal volume reported in 2023 (i.e., 5,524,757 gallons). The 2024 precipitation total of 43.08 inches was more than twice the amount of precipitation in 2023 (i.e., 19.34 inches) and some correlation with precipitation was identified. This resulted in higher leachate volumes in 2024. It is anticipated that the accumulation of waste and use of daily cover in the relatively new Phase 5A cell (constructed in 2021) will result in reductions in the volume of leachate generated at Site 2 over time.
- Laboratory analytical results for leachate testing, as submitted to CRWPC, are included in Appendix C.

**Table 17**  
**Leachate Management Summary**  
**2024 Leachate Collection System Performance Evaluation Report**  
**Cedar Rapids Linn County Solid Waste Agency 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 Cell (closed) and 2) lined 13-Acre Cell and Phases 1-5A.

**30-Acre Cell:**

• The leachate collection system for the unlined 30-Acre Cell consists of 11 vertical leachate extraction wells originally installed between 1996 and 1997 and are located along the west, north, and east perimeter of the closed cell. Leachate extraction wells are identified as LW-1 through LW-5 and LW-7 through LW-12 on Figure 3. Note that former LW-6 referenced an underground leachate storage tank that was removed as part of the 30-Acre Cell Improvements project (HDR, 2024d). 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 extraction 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 force main 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 force main pipe discharging to a gravity sewer that drains into the main lift station near the leachate lagoon. Improvements to the 30-acre cell were conducted in late 2023 (HDR, 2024d) which included the abandonment of the underground 12,000-gallon holding tank and LW-6. Leachate collected in the vertical extraction wells is conveyed via a leachate force main and is routed to a manhole connection for the sanitary sewer force main, 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 force main to the City of Marion sanitary sewer system and ultimately to the Cedar Rapids Water Pollution Control Facility.

• Although not formally part of the leachate collection system, CRLCSWA has installed leachate extraction pumps in nine landfill gas wells within the 30-Acre Cell footprint. Leachate from these dual-phase gas/leachate wells is discharged into the force main which ties into the 13-Acre Cell manhole and 30-Acre Cell force main.

**13-Acre Cell and Phases 1-5A:**

• The 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 Phases 1-5A 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 was constructed in 2021 with a leachate collection system similar to Phases 1-4. 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 force main to the leachate manhole. From this manhole, leachate is either routed to the sanitary sewer force main 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 force main.



**Table 18**  
**Methane Monitoring Summary**  
**2024 Methane Monitoring Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Monitoring Points			Methane Results (% LEL)							
Name	Type	Location	3/4/2024 - S (Y/N)		6/11/2024 - S (Y/N)		9/30/2024 - S (Y/N)		11/22/2024 - S (Y/N)	
GMP-N	Surface Perimeter	40 ft E of MW-19	0		0		0		0	
GMP-S	Surface Perimeter	South Property Line	0		0		0		0	
GMP-W	Surface Perimeter	50 ft N of MW-15	0		0		0		0	
GMP-E	Surface Perimeter	East of Scale House	0		0		0		0	
BLDG-1	Indoor Facility Structure	Scale House	0		0		0		0	
BLDG-2	Indoor Facility Structure	Office	0		0		0		0	
BLDG-3	Indoor Facility Structure	Resource Recovery Building	0		0		0		0	
BLDG-4	Indoor Facility Structure	Fire Pumphouse	0		0		0		0	
BLDG-5	Indoor Facility Structure	Maintenance Building	0		0		0		0	
BLDG-6	Indoor Facility Structure	Air Compressor Building	0		0		0		0	
BLDG-7	Indoor Facility Structure	LFGTE Building	0		0		0		0	
MW-19	Subsurface Perimeter	North of 30-Acre Cell	0	N.M.	0	N.M.	0	Y	0	Y
MW-22	Subsurface Perimeter	North of 30-Acre Cell	12	N.M.	0	N.M.	0	Y	4	Y
GP-1	Subsurface Perimeter	East of 30-Acre Cell	0	N.M.	0	N.M.	0	N	0	Y
GP-2	Subsurface Perimeter	East of 30-Acre Cell	0	N.M.	0	N.M.	0	Y	0	Y
GP-3R <sup>(1)</sup>	Subsurface Perimeter	East of 30-Acre Cell	0	N.M.	0	N.M.	0	N	0	Y
GU-1	Structure - Underdrain	West Property Boundary	0		0		0		0	

Comments:

% = percent

ft = feet

LEL = lower explosive limit

LFGTE = landfill gas to energy

N.M. = not measured

S (Y/N) - Was screen submerged, yes or no or blank is non-applicable

<sup>(1)</sup> GP-3 was replaced with GP-3R in August 2020.

- The contents of this report are intended to satisfy the requirements set forth in 567 IAC 113.9(2) and Permit Special Provision X.6.
- Evaluation of screen submergence was initiated starting in 3rd quarter 2024. Evaluation of screen submergence is not applicable for surface perimeter monitoring locations, indoor facility structures, and groundwater underdrain GU-1.
- Submerged screens were identified for MW-19, MW-22, and GP-2 in 3rd and 4th quarter 2024 and for GP-1 and GP-3R in 3rd quarter 2024. Due to the shallow groundwater depth at these locations (i.e., typically less than 6 feet below ground surface), it is not feasible to screen monitoring wells or gas probes below the uppermost water table and achieve adequate surface seals. When screen submergence is identified at these locations, groundwater is serving as a barrier to methane migration.
- The quarterly methane monitoring results did not indicate concentrations in exceedance of 25% LEL for facility structures or 100% LEL for facility boundaries.

**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**  
**Cedar Rapids Linn County Solid Waste Agency Site 2**  
**Permit No. 57-SDP-01-72P**

Comments:

The following table presents the groundwater Appendix II analytical data collected since January 2008.

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

DwnGrad = downgradient (compliance) monitoring location.

Bkgrnd = background monitoring location.

Delin = delineation monitoring location.

WL = water level only location. As further discussed in Table 1, these locations were monitored in 2024 to evaluate for potential background expansion and/or support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

- MW-302 was replaced with MW-302R on 09/07/2021 in the same location.
- MW-304 was replaced with MW-304R on 08/31/2020 in the same location.
- Monitoring was initiated at MW-502 in Mar. 2021 to establish baseline intrawell background. Compliance monitoring under the detection monitoring program will be initiated at MW-502 following the future construction of Phase 5B (HDR, 2021).
- No data set adjustments were recommended in Fall 2024.
- Previously incorporated background and downgradient data set adjustments were maintained and are listed as crossed-out concentrations in Table 19:
  - Removal of the Jan. 2008 through Dec. 2014 data collected using high volume sampling techniques at the background and groundwater monitoring locations.
  - Removal of the GU-1 and GU-L data collected before Oct. 2015 due to elevated reporting limits.
  - Removal of earlier non-detect background data with elevated PQLs including the non-detect lead result with a practical quantitation limit (PQL) of 0.004 mg/L at GU-1; non-detect antimony result with a PQL of 0.006 mg/L at MW-201B; non-detect cadmium results with a PQL of 0.005 mg/L at MW-9AR and MW-201B; non-detect copper result with a PQL of 0.02 mg/L at MW-201B; and non-detect vanadium result with a PQL of 0.05 mg/L at MW-201B.
  - The outliers flagged during prior statistical evaluations were maintained in the Fall 2024 statistical evaluation. Outliers are listed as o-flagged and as crossed-out concentrations. No outliers were flagged during the Fall 2024 statistical evaluation.
- No data were rejected during data validation in 2024.

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

Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
1,1,1,2-Tetrachloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,1,2-Tetrachloroethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1,2-Tetrachloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1,1,2-Tetrachloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,1,2-Tetrachloroethane	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00			<1.00				
1,1,1,2-Tetrachloroethane	2010-03	ug/L					<2.00	<2.00	<5.00	<5.00	<2.00	<2.00	<5.00	<2.00				
1,1,1,2-Tetrachloroethane	2010-06	ug/L										<5.00				<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
1,1,1,2-Tetrachloroethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,1,1,2-Tetrachloroethane	2011-07	ug/L	<1.00															
1,1,1,2-Tetrachloroethane	2011-08	ug/L		<1.00														
1,1,1,2-Tetrachloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2011-12	ug/L	<1.00	<2.00											<1.00	<1.00	<1.00	
1,1,1,2-Tetrachloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2012-06	ug/L																
1,1,1,2-Tetrachloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2013-06	ug/L																
1,1,1,2-Tetrachloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2013-11	ug/L																
1,1,1,2-Tetrachloroethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	2014-06	ug/L																
1,1,1,2-Tetrachloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,1,1,2-Tetrachloroethane	2014-12	ug/L															<1.00	
1,1,1,2-Tetrachloroethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,1,1,2-Tetrachloroethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2017-12	ug/L					<1				<1							<1
1,1,1,2-Tetrachloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
1,1,1,2-Tetrachloroethane	2018-07	ug/L										<1						
1,1,1,2-Tetrachloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2019-01	ug/L																
1,1,1,2-Tetrachloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2019-05	ug/L																
1,1,1,2-Tetrachloroethane	2019-10	ug/L	<1	<1			<1	<1	<2	<1	<1	<1	<1			<2	<1	<1
1,1,1,2-Tetrachloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2021-05	ug/L																
1,1,1,2-Tetrachloroethane	2021-08	ug/L																
1,1,1,2-Tetrachloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2021-12	ug/L																
1,1,1,2-Tetrachloroethane	2022-02	ug/L	<1		<1	<1												
1,1,1,2-Tetrachloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2022-07	ug/L					<1	<1	<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1,1,2-Tetrachloroethane	2008-01	ug/L																
1,1,1,2-Tetrachloroethane	2008-03	ug/L																
1,1,1,2-Tetrachloroethane	2008-08	ug/L																
1,1,1,2-Tetrachloroethane	2008-09	ug/L																
1,1,1,2-Tetrachloroethane	2008-10	ug/L																
1,1,1,2-Tetrachloroethane	2009-03	ug/L																
1,1,1,2-Tetrachloroethane	2009-06	ug/L																
1,1,1,2-Tetrachloroethane	2009-09	ug/L																
1,1,1,2-Tetrachloroethane	2009-12	ug/L																
1,1,1,2-Tetrachloroethane	2010-03	ug/L																
1,1,1,2-Tetrachloroethane	2010-06	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2010-08	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2010-09	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2010-12	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2011-03	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2011-04	ug/L																
1,1,1,2-Tetrachloroethane	2011-06	ug/L																
1,1,1,2-Tetrachloroethane	2011-07	ug/L																
1,1,1,2-Tetrachloroethane	2011-08	ug/L																
1,1,1,2-Tetrachloroethane	2011-09	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2011-12	ug/L																
1,1,1,2-Tetrachloroethane	2012-03	ug/L	<1.00	<1.00														
1,1,1,2-Tetrachloroethane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,1,1,2-Tetrachloroethane	2012-10	ug/L																
1,1,1,2-Tetrachloroethane	2013-03	ug/L	<1.00								<1.00							
1,1,1,2-Tetrachloroethane	2013-06	ug/L			<1.00													
1,1,1,2-Tetrachloroethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,1,1,2-Tetrachloroethane	2013-11	ug/L			<1.00													
1,1,1,2-Tetrachloroethane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,1,1,2-Tetrachloroethane	2014-06	ug/L		<1.00	<1.00													
1,1,1,2-Tetrachloroethane	2014-09	ug/L	<1	<1	<1						<1							
1,1,1,2-Tetrachloroethane	2014-12	ug/L																
1,1,1,2-Tetrachloroethane	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
1,1,1,2-Tetrachloroethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1,2-Tetrachloroethane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1,2-Tetrachloroethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1,2-Tetrachloroethane	2017-03	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,1,1,2-Tetrachloroethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1,2-Tetrachloroethane	2017-12	ug/L			<1													
1,1,1,2-Tetrachloroethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1,2-Tetrachloroethane	2018-07	ug/L								<1								
1,1,1,2-Tetrachloroethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1,2-Tetrachloroethane	2019-01	ug/L								<1								
1,1,1,2-Tetrachloroethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1,2-Tetrachloroethane	2019-05	ug/L		<1						<1								
1,1,1,2-Tetrachloroethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1,2-Tetrachloroethane	2020-03	ug/L	<1	<1	<1					<1	<1	<1				<1	<1	
1,1,1,2-Tetrachloroethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1,2-Tetrachloroethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,1,1,2-Tetrachloroethane	2021-05	ug/L	<1															
1,1,1,2-Tetrachloroethane	2021-08	ug/L						<1	<1									
1,1,1,2-Tetrachloroethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1,2-Tetrachloroethane	2021-12	ug/L	<1															
1,1,1,2-Tetrachloroethane	2022-02	ug/L						<1	<1									
1,1,1,2-Tetrachloroethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1,2-Tetrachloroethane	2022-07	ug/L																
1,1,1,2-Tetrachloroethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1,2-Tetrachloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,1,1,2-Tetrachloroethane	2023-05	ug/L			<1													
1,1,1,2-Tetrachloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,1,1-Trichloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,1-Trichloroethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1-Trichloroethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1-Trichloroethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1-Trichloroethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,1-Trichloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1,1-Trichloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,1-Trichloroethane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,1-Trichloroethane	2010-03	ug/L					<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00	<5.00	<1.00			
1,1,1-Trichloroethane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2010-12	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2011-04	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00						<1.00	<1.00
1,1,1-Trichloroethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,1,1-Trichloroethane	2011-07	ug/L	<1.00															
1,1,1-Trichloroethane	2011-08	ug/L		<1.00														
1,1,1-Trichloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
1,1,1-Trichloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2012-06	ug/L																
1,1,1-Trichloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2013-06	ug/L																
1,1,1-Trichloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2013-11	ug/L																
1,1,1-Trichloroethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	2014-06	ug/L																
1,1,1-Trichloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,1,1-Trichloroethane	2014-12	ug/L																<1.00
1,1,1-Trichloroethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,1,1-Trichloroethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2017-12	ug/L					<1					<1						<1
1,1,1-Trichloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2018-07	ug/L											<1					
1,1,1-Trichloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2019-01	ug/L																
1,1,1-Trichloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2019-05	ug/L																
1,1,1-Trichloroethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2021-05	ug/L																
1,1,1-Trichloroethane	2021-08	ug/L																
1,1,1-Trichloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2021-12	ug/L																
1,1,1-Trichloroethane	2022-02	ug/L	<1		<1	<1												

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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1,1,2-Tetrachloroethane	2023-05	ug/L																
1,1,1,2-Tetrachloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1,2-Tetrachloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1,2-Tetrachloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	2008-01	ug/L																
1,1,1-Trichloroethane	2008-03	ug/L																
1,1,1-Trichloroethane	2008-08	ug/L																
1,1,1-Trichloroethane	2008-09	ug/L																
1,1,1-Trichloroethane	2008-10	ug/L																
1,1,1-Trichloroethane	2009-03	ug/L																
1,1,1-Trichloroethane	2009-06	ug/L																
1,1,1-Trichloroethane	2009-09	ug/L																
1,1,1-Trichloroethane	2009-12	ug/L																
1,1,1-Trichloroethane	2010-03	ug/L																
1,1,1-Trichloroethane	2010-06	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2010-08	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2010-09	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2010-12	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2011-03	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2011-04	ug/L																
1,1,1-Trichloroethane	2011-06	ug/L																
1,1,1-Trichloroethane	2011-07	ug/L																
1,1,1-Trichloroethane	2011-08	ug/L																
1,1,1-Trichloroethane	2011-09	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2011-12	ug/L																
1,1,1-Trichloroethane	2012-03	ug/L	<1.00	<1.00														
1,1,1-Trichloroethane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,1,1-Trichloroethane	2012-10	ug/L									<1.00							
1,1,1-Trichloroethane	2013-03	ug/L	<1.00								<1.00							
1,1,1-Trichloroethane	2013-06	ug/L			<1.00													
1,1,1-Trichloroethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,1,1-Trichloroethane	2013-11	ug/L			<1.00													
1,1,1-Trichloroethane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,1,1-Trichloroethane	2014-06	ug/L		<1.00	<1.00													
1,1,1-Trichloroethane	2014-09	ug/L	<1	<1	<1						<1							
1,1,1-Trichloroethane	2014-12	ug/L																
1,1,1-Trichloroethane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,1,1-Trichloroethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2017-12	ug/L			<1													
1,1,1-Trichloroethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,1-Trichloroethane	2018-07	ug/L								<1								
1,1,1-Trichloroethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1-Trichloroethane	2019-01	ug/L								<1								
1,1,1-Trichloroethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1-Trichloroethane	2019-05	ug/L		<1						<1								
1,1,1-Trichloroethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1-Trichloroethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1-Trichloroethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,1-Trichloroethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,1,1-Trichloroethane	2021-05	ug/L	<1															
1,1,1-Trichloroethane	2021-08	ug/L						<1	<1									
1,1,1-Trichloroethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2021-12	ug/L	<1															
1,1,1-Trichloroethane	2022-02	ug/L						<1	<1									

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
1,1,1-Trichloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2022-07	ug/L			<1	<1												
1,1,1-Trichloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2023-05	ug/L			<1													
1,1,1-Trichloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,1,2,2-Tetrachloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,2,2-Tetrachloroethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2,2-Tetrachloroethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2,2-Tetrachloroethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2,2-Tetrachloroethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2,2-Tetrachloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1,2,2-Tetrachloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,2,2-Tetrachloroethane	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00			<1.00				
1,1,2,2-Tetrachloroethane	2010-03	ug/L					<2.00	<2.00	<1.00	<1.00	<2.00	<2.00	<2.00	<1.00	<2.00			
1,1,2,2-Tetrachloroethane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
1,1,2,2-Tetrachloroethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,1,2,2-Tetrachloroethane	2011-07	ug/L	<1.00															
1,1,2,2-Tetrachloroethane	2011-08	ug/L		<1.00														
1,1,2,2-Tetrachloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
1,1,2,2-Tetrachloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2012-06	ug/L																
1,1,2,2-Tetrachloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2013-06	ug/L																
1,1,2,2-Tetrachloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2013-11	ug/L																
1,1,2,2-Tetrachloroethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	2014-06	ug/L																
1,1,2,2-Tetrachloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,1,2,2-Tetrachloroethane	2014-12	ug/L															<1.00	
1,1,2,2-Tetrachloroethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,1,2,2-Tetrachloroethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,1,2,2-Tetrachloroethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2017-12	ug/L					<1					<1						<1
1,1,2,2-Tetrachloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2018-07	ug/L											<1					
1,1,2,2-Tetrachloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2019-01	ug/L																
1,1,2,2-Tetrachloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2019-05	ug/L																
1,1,2,2-Tetrachloroethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	2021-05	ug/L																

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1,1-Trichloroethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2022-07	ug/L																
1,1,1-Trichloroethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2023-05	ug/L																
1,1,1-Trichloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,1-Trichloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	2008-01	ug/L																
1,1,2,2-Tetrachloroethane	2008-03	ug/L																
1,1,2,2-Tetrachloroethane	2008-08	ug/L																
1,1,2,2-Tetrachloroethane	2008-09	ug/L																
1,1,2,2-Tetrachloroethane	2008-10	ug/L																
1,1,2,2-Tetrachloroethane	2009-03	ug/L																
1,1,2,2-Tetrachloroethane	2009-06	ug/L																
1,1,2,2-Tetrachloroethane	2009-09	ug/L																
1,1,2,2-Tetrachloroethane	2009-12	ug/L																
1,1,2,2-Tetrachloroethane	2010-03	ug/L																
1,1,2,2-Tetrachloroethane	2010-06	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2010-08	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2010-09	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2010-12	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2011-03	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2011-04	ug/L																
1,1,2,2-Tetrachloroethane	2011-06	ug/L																
1,1,2,2-Tetrachloroethane	2011-07	ug/L																
1,1,2,2-Tetrachloroethane	2011-08	ug/L																
1,1,2,2-Tetrachloroethane	2011-09	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2011-12	ug/L																
1,1,2,2-Tetrachloroethane	2012-03	ug/L	<1.00	<1.00														
1,1,2,2-Tetrachloroethane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,1,2,2-Tetrachloroethane	2012-10	ug/L									<1.00							
1,1,2,2-Tetrachloroethane	2013-03	ug/L	<1.00															
1,1,2,2-Tetrachloroethane	2013-06	ug/L			<1.00													
1,1,2,2-Tetrachloroethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,1,2,2-Tetrachloroethane	2013-11	ug/L			<1.00													
1,1,2,2-Tetrachloroethane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,1,2,2-Tetrachloroethane	2014-06	ug/L		<1.00	<1.00													
1,1,2,2-Tetrachloroethane	2014-09	ug/L	<1	<1	<1						<1							
1,1,2,2-Tetrachloroethane	2014-12	ug/L																
1,1,2,2-Tetrachloroethane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,1,2,2-Tetrachloroethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2017-12	ug/L			<1													
1,1,2,2-Tetrachloroethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2,2-Tetrachloroethane	2018-07	ug/L								<1								
1,1,2,2-Tetrachloroethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2019-01	ug/L								<1								
1,1,2,2-Tetrachloroethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2019-05	ug/L		<1						<1								
1,1,2,2-Tetrachloroethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,1,2,2-Tetrachloroethane	2021-05	ug/L	<1															



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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,1,2,2-Tetrachloroethane	2021-08	ug/L																
1,1,2,2-Tetrachloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
1,1,2,2-Tetrachloroethane	2021-12	ug/L																
1,1,2,2-Tetrachloroethane	2022-02	ug/L	<2		<1	<2												
1,1,2,2-Tetrachloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	
1,1,2,2-Tetrachloroethane	2022-07	ug/L			<1	<1												
1,1,2,2-Tetrachloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,1,2,2-Tetrachloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,1,2,2-Tetrachloroethane	2023-05	ug/L			<1													
1,1,2,2-Tetrachloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,1,2,2-Tetrachloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,1,2,2-Tetrachloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,1,2-Trichloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,1,2-Trichloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,2-Trichloroethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2-Trichloroethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2-Trichloroethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2-Trichloroethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,1,2-Trichloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1,2-Trichloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,2-Trichloroethane	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00			<1.00				
1,1,2-Trichloroethane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1,2-Trichloroethane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00					<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,1,2-Trichloroethane	2011-07	ug/L	<1.00															
1,1,2-Trichloroethane	2011-08	ug/L		<1.00														
1,1,2-Trichloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2011-12	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2012-06	ug/L																
1,1,2-Trichloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2013-06	ug/L																
1,1,2-Trichloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2013-11	ug/L																
1,1,2-Trichloroethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	2014-06	ug/L																
1,1,2-Trichloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,1,2-Trichloroethane	2014-12	ug/L															<1.00	
1,1,2-Trichloroethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00		<1.00	<1	<1	<1
1,1,2-Trichloroethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2017-12	ug/L					<1					<1						<1
1,1,2-Trichloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2018-07	ug/L																
1,1,2-Trichloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2019-01	ug/L																
1,1,2-Trichloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
1,1,2-Trichloroethane	2019-05	ug/L																
1,1,2-Trichloroethane	2019-10	ug/L	<1	<1			<1	<1	<2	<1	<1	<1	<1		<2	<1	<1	<1

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1,2,2-Tetrachloroethane	2021-08	ug/L						<1	<1									
1,1,2,2-Tetrachloroethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2021-12	ug/L	<1															
1,1,2,2-Tetrachloroethane	2022-02	ug/L						<1	<1									
1,1,2,2-Tetrachloroethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2022-07	ug/L																
1,1,2,2-Tetrachloroethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2023-05	ug/L																
1,1,2,2-Tetrachloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2,2-Tetrachloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	2008-01	ug/L																
1,1,2-Trichloroethane	2008-03	ug/L																
1,1,2-Trichloroethane	2008-08	ug/L																
1,1,2-Trichloroethane	2008-09	ug/L																
1,1,2-Trichloroethane	2008-10	ug/L																
1,1,2-Trichloroethane	2009-03	ug/L																
1,1,2-Trichloroethane	2009-06	ug/L																
1,1,2-Trichloroethane	2009-09	ug/L																
1,1,2-Trichloroethane	2009-12	ug/L																
1,1,2-Trichloroethane	2010-03	ug/L																
1,1,2-Trichloroethane	2010-06	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2010-08	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2010-09	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2010-12	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2011-03	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2011-04	ug/L																
1,1,2-Trichloroethane	2011-06	ug/L																
1,1,2-Trichloroethane	2011-07	ug/L																
1,1,2-Trichloroethane	2011-08	ug/L																
1,1,2-Trichloroethane	2011-09	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2011-12	ug/L																
1,1,2-Trichloroethane	2012-03	ug/L	<1.00	<1.00														
1,1,2-Trichloroethane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,1,2-Trichloroethane	2012-10	ug/L																
1,1,2-Trichloroethane	2013-03	ug/L	<1.00								<1.00							
1,1,2-Trichloroethane	2013-06	ug/L			<1.00													
1,1,2-Trichloroethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,1,2-Trichloroethane	2013-11	ug/L			<1.00													
1,1,2-Trichloroethane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,1,2-Trichloroethane	2014-06	ug/L		<1.00	<1.00													
1,1,2-Trichloroethane	2014-09	ug/L	<1	<1	<1						<1							
1,1,2-Trichloroethane	2014-12	ug/L																
1,1,2-Trichloroethane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,1,2-Trichloroethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2-Trichloroethane	2016-04	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,1,2-Trichloroethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2-Trichloroethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2-Trichloroethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2-Trichloroethane	2017-12	ug/L			<1													
1,1,2-Trichloroethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1,2-Trichloroethane	2018-07	ug/L								<1								
1,1,2-Trichloroethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2-Trichloroethane	2019-01	ug/L								<1								
1,1,2-Trichloroethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2-Trichloroethane	2019-05	ug/L		<1						<1								
1,1,2-Trichloroethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
1,1,2-Trichloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2021-05	ug/L																
1,1,2-Trichloroethane	2021-08	ug/L																
1,1,2-Trichloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2021-12	ug/L																
1,1,2-Trichloroethane	2022-02	ug/L	<1		<1	<1												
1,1,2-Trichloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2022-07	ug/L			<1	<1												
1,1,2-Trichloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2023-05	ug/L			<1													
1,1,2-Trichloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,1,2-Trichloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,1-Dichloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1-Dichloroethane	2008-08	ug/L					0.42	<1	0.28	0.22	0.26	<1	<1	0.21	<1			
1,1-Dichloroethane	2008-09	ug/L					0.35	<1	<1	0.24	0.31	<1	<1	0.2	<1			
1,1-Dichloroethane	2008-10	ug/L					0.42	<1	0.19	0.22	0.25	<1	<1	<1	<1			
1,1-Dichloroethane	2009-03	ug/L					0.51	<1	<1	0.29	0.33	<1	<1	<1	<1			
1,1-Dichloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1-Dichloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1-Dichloroethane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1-Dichloroethane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1-Dichloroethane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,1-Dichloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,1-Dichloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2010-12	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2011-03	ug/L		1.33			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
1,1-Dichloroethane	2011-06	ug/L		<1.00								<1.00		<1.00	<1.00	<1.00	<1.00	
1,1-Dichloroethane	2011-07	ug/L	<1.00															
1,1-Dichloroethane	2011-08	ug/L		<1.00														
1,1-Dichloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2011-12	ug/L	<1.00	1.20											<1.00	<1.00	<1.00	
1,1-Dichloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2012-06	ug/L																
1,1-Dichloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2013-03	ug/L	<1.00	1.33			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2013-06	ug/L																
1,1-Dichloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2013-11	ug/L																
1,1-Dichloroethane	2014-03	ug/L	<1.00	0.346			<1.00	<1.00	0.265	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	2014-06	ug/L																
1,1-Dichloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,1-Dichloroethane	2014-12	ug/L															<1.00	
1,1-Dichloroethane	2015-04	ug/L	0.259	<1			<1	<1.00	<1	<1	<1	<1.00	0.489			<1.00	<1	<1
1,1-Dichloroethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	0.332 J			<1	<1	<1
1,1-Dichloroethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	0.327 J			<1	<1	<1
1,1-Dichloroethane	2017-10	ug/L	<1	<1			<1	<1	0.679 Je	<1	<1	<1				<1	<1	<1
1,1-Dichloroethane	2017-12	ug/L					<1				<1							<1
1,1-Dichloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	0.23 Je	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2018-07	ug/L										<1						
1,1-Dichloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1,2-Trichloroethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2-Trichloroethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1,2-Trichloroethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,1,2-Trichloroethane	2021-05	ug/L	<1															
1,1,2-Trichloroethane	2021-08	ug/L						<1	<1									
1,1,2-Trichloroethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2021-12	ug/L	<1															
1,1,2-Trichloroethane	2022-02	ug/L						<1	<1									
1,1,2-Trichloroethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2022-07	ug/L																
1,1,2-Trichloroethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2023-05	ug/L																
1,1,2-Trichloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1,2-Trichloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	2008-01	ug/L																
1,1-Dichloroethane	2008-03	ug/L																
1,1-Dichloroethane	2008-08	ug/L																
1,1-Dichloroethane	2008-09	ug/L																
1,1-Dichloroethane	2008-10	ug/L																
1,1-Dichloroethane	2009-03	ug/L																
1,1-Dichloroethane	2009-06	ug/L																
1,1-Dichloroethane	2009-09	ug/L																
1,1-Dichloroethane	2009-12	ug/L																
1,1-Dichloroethane	2010-03	ug/L																
1,1-Dichloroethane	2010-06	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2010-08	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2010-09	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2010-12	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2011-03	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2011-04	ug/L																
1,1-Dichloroethane	2011-06	ug/L																
1,1-Dichloroethane	2011-07	ug/L																
1,1-Dichloroethane	2011-08	ug/L																
1,1-Dichloroethane	2011-09	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2011-12	ug/L																
1,1-Dichloroethane	2012-03	ug/L	<1.00	<1.00														
1,1-Dichloroethane	2012-06	ug/L								<1.00	<1.00			<1.00		<1.00	<1.00	
1,1-Dichloroethane	2012-10	ug/L																
1,1-Dichloroethane	2013-03	ug/L	<1.00								<1.00							
1,1-Dichloroethane	2013-06	ug/L			<1.00													
1,1-Dichloroethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,1-Dichloroethane	2013-11	ug/L			<1.00													
1,1-Dichloroethane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,1-Dichloroethane	2014-06	ug/L		<1.00	<1.00													
1,1-Dichloroethane	2014-09	ug/L	<1	<1	<1					<1								
1,1-Dichloroethane	2014-12	ug/L																
1,1-Dichloroethane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,1-Dichloroethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2017-12	ug/L			<1													
1,1-Dichloroethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,1-Dichloroethane	2018-07	ug/L								<1								
1,1-Dichloroethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
1,1-Dichloroethane	2019-01	ug/L																
1,1-Dichloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2019-05	ug/L																
1,1-Dichloroethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2021-05	ug/L																
1,1-Dichloroethane	2021-08	ug/L																
1,1-Dichloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2021-12	ug/L																
1,1-Dichloroethane	2022-02	ug/L	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1-Dichloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2022-07	ug/L			<1	<1												
1,1-Dichloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	0.263 Jo	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2023-05	ug/L			<1													
1,1-Dichloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,1-Dichloroethane	2008-01	ug/L					<2	<2	<2.00	<2	<2	<2	<2	<2	<2			
1,1-Dichloroethane	2008-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
1,1-Dichloroethane	2008-08	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
1,1-Dichloroethane	2008-09	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
1,1-Dichloroethane	2008-10	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
1,1-Dichloroethane	2009-03	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
1,1-Dichloroethane	2009-06	ug/L					<10.0	<2	<2	<2.00	<2	<2	<2	<2.00				
1,1-Dichloroethane	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
1,1-Dichloroethane	2009-12	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
1,1-Dichloroethane	2010-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
1,1-Dichloroethane	2010-06	ug/L										<2.00				<2.00	<2.00	<2.00
1,1-Dichloroethane	2010-08	ug/L										<2.00	<2.00			<2.00	<2.00	<2.00
1,1-Dichloroethane	2010-09	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
1,1-Dichloroethane	2010-12	ug/L										<2.00				<2.00	<2.00	<2.00
1,1-Dichloroethane	2011-03	ug/L		<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
1,1-Dichloroethane	2011-04	ug/L					<2.00		<2.00	<20.0	<2.00						<2.00	
1,1-Dichloroethane	2011-06	ug/L		<2.00									<2.00		<2.00	<2.00	<2.00	
1,1-Dichloroethane	2011-07	ug/L	<2.00															
1,1-Dichloroethane	2011-08	ug/L		<2.00														
1,1-Dichloroethane	2011-09	ug/L	<2.00	<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00
1,1-Dichloroethane	2011-12	ug/L	<2.00	<2.00											<2.00	<2.00	<2.00	
1,1-Dichloroethane	2012-03	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
1,1-Dichloroethane	2012-06	ug/L																
1,1-Dichloroethane	2012-10	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
1,1-Dichloroethane	2013-03	ug/L	<2.00	<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00
1,1-Dichloroethane	2013-06	ug/L																
1,1-Dichloroethane	2013-09	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
1,1-Dichloroethane	2013-11	ug/L																
1,1-Dichloroethane	2014-03	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
1,1-Dichloroethane	2014-06	ug/L																
1,1-Dichloroethane	2014-09	ug/L	<2	<2			<2.00	<2.00	<2.00	<2.00	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2
1,1-Dichloroethane	2014-12	ug/L															<2.00	
1,1-Dichloroethane	2015-04	ug/L	<2.00	<2			<2	<2.00	<2	<2	<2	<2.00	<2.00		<2.00	<2	<2	<2
1,1-Dichloroethane	2015-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
1,1-Dichloroethane	2016-04	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
1,1-Dichloroethane	2016-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
1,1-Dichloroethane	2017-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
1,1-Dichloroethane	2017-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1-Dichloroethane	2019-01	ug/L								<1								
1,1-Dichloroethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1-Dichloroethane	2019-05	ug/L		<1						<1								
1,1-Dichloroethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1-Dichloroethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1-Dichloroethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,1-Dichloroethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,1-Dichloroethane	2021-05	ug/L	<1															
1,1-Dichloroethane	2021-08	ug/L						<1	<1									
1,1-Dichloroethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2021-12	ug/L	<1															
1,1-Dichloroethane	2022-02	ug/L						<1	<1									
1,1-Dichloroethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2022-07	ug/L																
1,1-Dichloroethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2023-05	ug/L																
1,1-Dichloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,1-Dichloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	2008-01	ug/L																
1,1-Dichloroethane	2008-03	ug/L																
1,1-Dichloroethane	2008-08	ug/L																
1,1-Dichloroethane	2008-09	ug/L																
1,1-Dichloroethane	2008-10	ug/L																
1,1-Dichloroethane	2009-03	ug/L																
1,1-Dichloroethane	2009-06	ug/L																
1,1-Dichloroethane	2009-09	ug/L																
1,1-Dichloroethane	2009-12	ug/L																
1,1-Dichloroethane	2010-03	ug/L																
1,1-Dichloroethane	2010-06	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2010-08	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2010-09	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2010-12	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2011-03	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2011-04	ug/L																
1,1-Dichloroethane	2011-06	ug/L																
1,1-Dichloroethane	2011-07	ug/L																
1,1-Dichloroethane	2011-08	ug/L																
1,1-Dichloroethane	2011-09	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2011-12	ug/L																
1,1-Dichloroethane	2012-03	ug/L	<2.00	<2.00														
1,1-Dichloroethane	2012-06	ug/L									<2.00	<2.00		<2.00		<2.00	<2.00	
1,1-Dichloroethane	2012-10	ug/L																
1,1-Dichloroethane	2013-03	ug/L	<2.00								<2.00							
1,1-Dichloroethane	2013-06	ug/L			<2.00													
1,1-Dichloroethane	2013-09	ug/L	<2.00	<2.00	<2.00						<2.00							
1,1-Dichloroethane	2013-11	ug/L			<2.00													
1,1-Dichloroethane	2014-03	ug/L	<2.00		<2.00						<2.00							
1,1-Dichloroethane	2014-06	ug/L		<2.00	<2.00													
1,1-Dichloroethane	2014-09	ug/L	<2	<2	<2						<2							
1,1-Dichloroethane	2014-12	ug/L																
1,1-Dichloroethane	2015-04	ug/L	< 2.00	< 2.00	< 2.00						< 2							
1,1-Dichloroethane	2015-10	ug/L	<2	<2	<2						<2					<2	<2	
1,1-Dichloroethane	2016-04	ug/L	<2	<2	<2						<2					<2	<2	
1,1-Dichloroethane	2016-10	ug/L	<2	<2	<2						<2					<2	<2	
1,1-Dichloroethane	2017-03	ug/L	<2	<2	<2						<2	<2				<2	<2	
1,1-Dichloroethane	2017-10	ug/L	<2	<2	<2						<2					<2	<2	

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,1-Dichloroethene	2017-12	ug/L					<2					<2						<2
1,1-Dichloroethene	2018-04	ug/L	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	
1,1-Dichloroethene	2018-07	ug/L											<2					
1,1-Dichloroethene	2018-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2019-01	ug/L																
1,1-Dichloroethene	2019-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2019-05	ug/L																
1,1-Dichloroethene	2019-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2020-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2020-09	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2021-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2021-05	ug/L																
1,1-Dichloroethene	2021-08	ug/L																
1,1-Dichloroethene	2021-10	ug/L	<2	<2	<2		<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2021-12	ug/L																
1,1-Dichloroethene	2022-02	ug/L	<2		<2	<2												
1,1-Dichloroethene	2022-04	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2022-07	ug/L			<2	<2												
1,1-Dichloroethene	2022-10	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2023-04	ug/L	<2	<2		<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2023-05	ug/L			<2													
1,1-Dichloroethene	2023-10	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2024-04	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloroethene	2024-09	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	
1,1-Dichloropropene	2009-03	ug/L						<1	<1	<1								
1,1-Dichloropropene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,1-Dichloropropene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,1-Dichloropropene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,1-Dichloropropene	2010-03	ug/L					<1.00	<1.00	<2.50	<2.50	<1.00			<2.50				
1,1-Dichloropropene	2010-06	ug/L										<1.00						
1,1-Dichloropropene	2010-08	ug/L										<1.00	<1.00					
1,1-Dichloropropene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,1-Dichloropropene	2010-12	ug/L										<1.00						
1,1-Dichloropropene	2011-03	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00			
1,1-Dichloropropene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
1,1-Dichloropropene	2011-06	ug/L										<1.00		<1.00	<1.00	<1.00	<1.00	
1,1-Dichloropropene	2011-09	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	
1,1-Dichloropropene	2011-12	ug/L												<1.00	<1.00	<1.00	<1.00	
1,1-Dichloropropene	2012-03	ug/L												<1.00	<1.00	<1.00	<1.00	
1,1-Dichloropropene	2014-12	ug/L																<1.00
1,1-Dichloropropene	2016-10	ug/L							<1	<1	<1				<1	<1		
1,1-Dichloropropene	2017-10	ug/L						<1										
1,1-Dichloropropene	2017-12	ug/L					<1					<1						<1
1,1-Dichloropropene	2018-07	ug/L											<1					
1,1-Dichloropropene	2018-10	ug/L											<1					
1,1-Dichloropropene	2019-05	ug/L																
1,1-Dichloropropene	2021-10	ug/L							<1	<1	<1				<1	<1		
1,1-Dichloropropene	2021-12	ug/L																
1,1-Dichloropropene	2022-10	ug/L					<1	<1				<1						<1
1,1-Dichloropropene	2024-04	ug/L											<1					
1,2,3-Trichloropropane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,2,3-Trichloropropane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2,3-Trichloropropane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2,3-Trichloropropane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2,3-Trichloropropane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2,3-Trichloropropane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2,3-Trichloropropane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,2,3-Trichloropropane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,1-Dichloroethene	2017-12	ug/L			<2													
1,1-Dichloroethene	2018-04	ug/L	<2	<2	<2						<2					<2	<2	
1,1-Dichloroethene	2018-07	ug/L								<2								
1,1-Dichloroethene	2018-10	ug/L	<2	<2	<2					<2	<2					<2	<2	
1,1-Dichloroethene	2019-01	ug/L								<2								
1,1-Dichloroethene	2019-03	ug/L	<2	<2	<2					<2	<2					<2	<2	
1,1-Dichloroethene	2019-05	ug/L		<2						<2								
1,1-Dichloroethene	2019-10	ug/L	<2	<2	<2					<2	<2					<2	<2	
1,1-Dichloroethene	2020-03	ug/L	<2	<2	<2					<2	<2					<2	<2	
1,1-Dichloroethene	2020-09	ug/L	<2	<2	<2					<2	<2					<2	<2	
1,1-Dichloroethene	2021-03	ug/L	<2	<2	<2			<2	<2	<2	<2					<2	<2	
1,1-Dichloroethene	2021-05	ug/L	<2															
1,1-Dichloroethene	2021-08	ug/L						<2	<2									
1,1-Dichloroethene	2021-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2021-12	ug/L	<2															
1,1-Dichloroethene	2022-02	ug/L						<2	<2									
1,1-Dichloroethene	2022-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2022-07	ug/L																
1,1-Dichloroethene	2022-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2023-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2023-05	ug/L																
1,1-Dichloroethene	2023-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2024-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
1,1-Dichloroethene	2024-09	ug/L	<2	<2	<2			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloropropene	2009-03	ug/L																
1,1-Dichloropropene	2009-06	ug/L																
1,1-Dichloropropene	2009-09	ug/L																
1,1-Dichloropropene	2009-12	ug/L																
1,1-Dichloropropene	2010-03	ug/L																
1,1-Dichloropropene	2010-06	ug/L																
1,1-Dichloropropene	2010-08	ug/L																
1,1-Dichloropropene	2010-09	ug/L																
1,1-Dichloropropene	2010-12	ug/L																
1,1-Dichloropropene	2011-03	ug/L																
1,1-Dichloropropene	2011-04	ug/L																
1,1-Dichloropropene	2011-06	ug/L																
1,1-Dichloropropene	2011-09	ug/L																
1,1-Dichloropropene	2011-12	ug/L																
1,1-Dichloropropene	2012-03	ug/L																
1,1-Dichloropropene	2014-12	ug/L																
1,1-Dichloropropene	2016-10	ug/L									<1					<1	<1	
1,1-Dichloropropene	2017-10	ug/L																
1,1-Dichloropropene	2017-12	ug/L			<1													
1,1-Dichloropropene	2018-07	ug/L								<1								
1,1-Dichloropropene	2018-10	ug/L								<1								
1,1-Dichloropropene	2019-05	ug/L		<1														
1,1-Dichloropropene	2021-10	ug/L																
1,1-Dichloropropene	2021-12	ug/L	<1															
1,1-Dichloropropene	2022-10	ug/L			<1													
1,1-Dichloropropene	2024-04	ug/L		<1														
1,2,3-Trichloropropane	2008-01	ug/L																
1,2,3-Trichloropropane	2008-03	ug/L																
1,2,3-Trichloropropane	2008-08	ug/L																
1,2,3-Trichloropropane	2008-09	ug/L																
1,2,3-Trichloropropane	2008-10	ug/L																
1,2,3-Trichloropropane	2009-03	ug/L																
1,2,3-Trichloropropane	2009-06	ug/L																
1,2,3-Trichloropropane	2009-09	ug/L																



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
1,2,3-Trichloropropane	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00			<1.00				
1,2,3-Trichloropropane	2010-03	ug/L					<2.00	<2.00	<2.50	<2.50	<2.00	<2.00	<2.00	<2.50	<2.00			
1,2,3-Trichloropropane	2010-06	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2010-12	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
1,2,3-Trichloropropane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,2,3-Trichloropropane	2011-07	ug/L	<1.00															
1,2,3-Trichloropropane	2011-08	ug/L		<1.00														
1,2,3-Trichloropropane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2011-12	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2012-06	ug/L																
1,2,3-Trichloropropane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2013-06	ug/L																
1,2,3-Trichloropropane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2013-11	ug/L																
1,2,3-Trichloropropane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	2014-06	ug/L																
1,2,3-Trichloropropane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,2,3-Trichloropropane	2014-12	ug/L															<1.00	
1,2,3-Trichloropropane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,2,3-Trichloropropane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2017-12	ug/L					<1					<1						<1
1,2,3-Trichloropropane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2018-07	ug/L																
1,2,3-Trichloropropane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2019-01	ug/L																
1,2,3-Trichloropropane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2019-05	ug/L																
1,2,3-Trichloropropane	2019-10	ug/L	<2	<2			<2	<1	<2	<2	<1	<2	<2			<2	<1	<2
1,2,3-Trichloropropane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2021-05	ug/L																
1,2,3-Trichloropropane	2021-08	ug/L																
1,2,3-Trichloropropane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	0.846-Je	<1
1,2,3-Trichloropropane	2021-12	ug/L																
1,2,3-Trichloropropane	2022-02	ug/L	<1		<1	<1												
1,2,3-Trichloropropane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2022-07	ug/L			<1	<1												
1,2,3-Trichloropropane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2023-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2023-05	ug/L			<1													
1,2,3-Trichloropropane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,3-Trichloropropane	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2,3-Trichloropropane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L																
1,2,4,5-Tetrachlorobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,2,4,5-Tetrachlorobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2,3-Trichloropropane	2009-12	ug/L																
1,2,3-Trichloropropane	2010-03	ug/L																
1,2,3-Trichloropropane	2010-06	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2010-08	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2010-09	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2010-12	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2011-03	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2011-04	ug/L																
1,2,3-Trichloropropane	2011-06	ug/L																
1,2,3-Trichloropropane	2011-07	ug/L																
1,2,3-Trichloropropane	2011-08	ug/L																
1,2,3-Trichloropropane	2011-09	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2011-12	ug/L																
1,2,3-Trichloropropane	2012-03	ug/L	<1.00	<1.00														
1,2,3-Trichloropropane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,2,3-Trichloropropane	2012-10	ug/L																
1,2,3-Trichloropropane	2013-03	ug/L	<1.00								<1.00							
1,2,3-Trichloropropane	2013-06	ug/L			<1.00													
1,2,3-Trichloropropane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,2,3-Trichloropropane	2013-11	ug/L			<1.00													
1,2,3-Trichloropropane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,2,3-Trichloropropane	2014-06	ug/L		<1.00	<1.00													
1,2,3-Trichloropropane	2014-09	ug/L	<1	<1	<1						<1							
1,2,3-Trichloropropane	2014-12	ug/L																
1,2,3-Trichloropropane	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
1,2,3-Trichloropropane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2017-12	ug/L			<1													
1,2,3-Trichloropropane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2,3-Trichloropropane	2018-07	ug/L								<1								
1,2,3-Trichloropropane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2,3-Trichloropropane	2019-01	ug/L								<1								
1,2,3-Trichloropropane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2,3-Trichloropropane	2019-05	ug/L		<1						<1								
1,2,3-Trichloropropane	2019-10	ug/L	<2	<1	<1					<2	<1					<1	<1	
1,2,3-Trichloropropane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2,3-Trichloropropane	2020-09	ug/L	<1	<1	<1					<1	<1	<1				<1	<1	
1,2,3-Trichloropropane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,2,3-Trichloropropane	2021-05	ug/L	<1															
1,2,3-Trichloropropane	2021-08	ug/L						<1	<1									
1,2,3-Trichloropropane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2,3-Trichloropropane	2021-12	ug/L	<1															
1,2,3-Trichloropropane	2022-02	ug/L						<1	<1									
1,2,3-Trichloropropane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2,3-Trichloropropane	2022-07	ug/L																
1,2,3-Trichloropropane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2,3-Trichloropropane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2,3-Trichloropropane	2023-05	ug/L																
1,2,3-Trichloropropane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2,3-Trichloropropane	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2,3-Trichloropropane	2024-09	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L																
1,2,4,5-Tetrachlorobenzene	2009-06	ug/L																
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L																
1,2,4,5-Tetrachlorobenzene	2009-12	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L					<10.0				<10.0			<10.0				
1,2,4,5-Tetrachlorobenzene	2010-06	ug/L										<10.0						
1,2,4,5-Tetrachlorobenzene	2010-08	ug/L										<10.0						
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
1,2,4,5-Tetrachlorobenzene	2010-12	ug/L										<10.0						
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L											<10.0		<10.0			
1,2,4,5-Tetrachlorobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
1,2,4,5-Tetrachlorobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
1,2,4,5-Tetrachlorobenzene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
1,2,4,5-Tetrachlorobenzene	2012-03	ug/L													<10.0	<10.0	<10.0	
1,2,4,5-Tetrachlorobenzene	2014-12	ug/L															<10.2	
1,2,4,5-Tetrachlorobenzene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
1,2,4,5-Tetrachlorobenzene	2017-10	ug/L						<10.5										
1,2,4,5-Tetrachlorobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
1,2,4,5-Tetrachlorobenzene	2018-07	ug/L											<10.4					
1,2,4,5-Tetrachlorobenzene	2018-10	ug/L											<10.4					
1,2,4,5-Tetrachlorobenzene	2019-05	ug/L																
1,2,4,5-Tetrachlorobenzene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
1,2,4,5-Tetrachlorobenzene	2021-12	ug/L																
1,2,4,5-Tetrachlorobenzene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
1,2,4,5-Tetrachlorobenzene	2024-04	ug/L											<10.6					
1,2,4-Trichlorobenzene	2009-03	ug/L						<5	<5	<5								
1,2,4-Trichlorobenzene	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
1,2,4-Trichlorobenzene	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
1,2,4-Trichlorobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<5.00	<5.00			<5.00				
1,2,4-Trichlorobenzene	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
1,2,4-Trichlorobenzene	2010-06	ug/L										<5.00						
1,2,4-Trichlorobenzene	2010-08	ug/L										<5.00	<5.00					
1,2,4-Trichlorobenzene	2010-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00				
1,2,4-Trichlorobenzene	2010-12	ug/L										<5.00						
1,2,4-Trichlorobenzene	2011-03	ug/L					<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<5.00	<5.00	<5.00			
1,2,4-Trichlorobenzene	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00						<5.00	
1,2,4-Trichlorobenzene	2011-06	ug/L										<5.00			<5.00	<5.00	<5.00	
1,2,4-Trichlorobenzene	2011-09	ug/L					<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	
1,2,4-Trichlorobenzene	2011-12	ug/L													<5.00	<5.00	<5.00	
1,2,4-Trichlorobenzene	2012-03	ug/L												<5.00		<5.00	<5.00	
1,2,4-Trichlorobenzene	2014-12	ug/L															<5.00	
1,2,4-Trichlorobenzene	2016-10	ug/L						<5	<5	<5						<5	<5	
1,2,4-Trichlorobenzene	2017-10	ug/L						<5										
1,2,4-Trichlorobenzene	2017-12	ug/L					<5					<5						<5
1,2,4-Trichlorobenzene	2018-07	ug/L											<5					
1,2,4-Trichlorobenzene	2018-10	ug/L											<5					
1,2,4-Trichlorobenzene	2019-05	ug/L																
1,2,4-Trichlorobenzene	2021-10	ug/L						<5	<5	<5						<5	<5	
1,2,4-Trichlorobenzene	2021-12	ug/L																
1,2,4-Trichlorobenzene	2022-10	ug/L					<5	<5				<5						<5
1,2,4-Trichlorobenzene	2024-04	ug/L											<5					
1,2-Dibromo-3-chloropropane	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
1,2-Dibromo-3-chloropropane	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromo-3-chloropropane	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromo-3-chloropropane	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromo-3-chloropropane	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromo-3-chloropropane	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromo-3-chloropropane	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
1,2-Dibromo-3-chloropropane	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromo-3-chloropropane	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromo-3-chloropropane	2010-03	ug/L					<10.0	<10.0	<50.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromo-3-chloropropane	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L																
1,2,4,5-Tetrachlorobenzene	2010-06	ug/L																
1,2,4,5-Tetrachlorobenzene	2010-08	ug/L																
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L																
1,2,4,5-Tetrachlorobenzene	2010-12	ug/L																
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L																
1,2,4,5-Tetrachlorobenzene	2011-06	ug/L																
1,2,4,5-Tetrachlorobenzene	2011-09	ug/L																
1,2,4,5-Tetrachlorobenzene	2011-12	ug/L																
1,2,4,5-Tetrachlorobenzene	2012-03	ug/L																
1,2,4,5-Tetrachlorobenzene	2014-12	ug/L																
1,2,4,5-Tetrachlorobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
1,2,4,5-Tetrachlorobenzene	2017-10	ug/L																
1,2,4,5-Tetrachlorobenzene	2017-12	ug/L			<10.4													
1,2,4,5-Tetrachlorobenzene	2018-07	ug/L								<10.1								
1,2,4,5-Tetrachlorobenzene	2018-10	ug/L								<10.3								
1,2,4,5-Tetrachlorobenzene	2019-05	ug/L		<10.1														
1,2,4,5-Tetrachlorobenzene	2021-10	ug/L																
1,2,4,5-Tetrachlorobenzene	2021-12	ug/L	<10.5															
1,2,4,5-Tetrachlorobenzene	2022-10	ug/L			<8.77													
1,2,4,5-Tetrachlorobenzene	2024-04	ug/L		<10.2														
1,2,4-Trichlorobenzene	2009-03	ug/L																
1,2,4-Trichlorobenzene	2009-06	ug/L																
1,2,4-Trichlorobenzene	2009-09	ug/L																
1,2,4-Trichlorobenzene	2009-12	ug/L																
1,2,4-Trichlorobenzene	2010-03	ug/L																
1,2,4-Trichlorobenzene	2010-06	ug/L																
1,2,4-Trichlorobenzene	2010-08	ug/L																
1,2,4-Trichlorobenzene	2010-09	ug/L																
1,2,4-Trichlorobenzene	2010-12	ug/L																
1,2,4-Trichlorobenzene	2011-03	ug/L																
1,2,4-Trichlorobenzene	2011-04	ug/L																
1,2,4-Trichlorobenzene	2011-06	ug/L																
1,2,4-Trichlorobenzene	2011-09	ug/L																
1,2,4-Trichlorobenzene	2011-12	ug/L																
1,2,4-Trichlorobenzene	2012-03	ug/L																
1,2,4-Trichlorobenzene	2014-12	ug/L																
1,2,4-Trichlorobenzene	2016-10	ug/L									<5					<5	<5	
1,2,4-Trichlorobenzene	2017-10	ug/L																
1,2,4-Trichlorobenzene	2017-12	ug/L			<5													
1,2,4-Trichlorobenzene	2018-07	ug/L								<5								
1,2,4-Trichlorobenzene	2018-10	ug/L								<5								
1,2,4-Trichlorobenzene	2019-05	ug/L		<5														
1,2,4-Trichlorobenzene	2021-10	ug/L																
1,2,4-Trichlorobenzene	2021-12	ug/L	<5															
1,2,4-Trichlorobenzene	2022-10	ug/L			<5													
1,2,4-Trichlorobenzene	2024-04	ug/L		<5														
1,2-Dibromo-3-chloropropane	2008-01	ug/L																
1,2-Dibromo-3-chloropropane	2008-03	ug/L																
1,2-Dibromo-3-chloropropane	2008-08	ug/L																
1,2-Dibromo-3-chloropropane	2008-09	ug/L																
1,2-Dibromo-3-chloropropane	2008-10	ug/L																
1,2-Dibromo-3-chloropropane	2009-03	ug/L																
1,2-Dibromo-3-chloropropane	2009-06	ug/L																
1,2-Dibromo-3-chloropropane	2009-09	ug/L																
1,2-Dibromo-3-chloropropane	2009-12	ug/L																
1,2-Dibromo-3-chloropropane	2010-03	ug/L																
1,2-Dibromo-3-chloropropane	2010-06	ug/L	<10.0	<10.0														

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dibromo-3-chloropropane	2010-08	ug/L										<20.0	<20.0			<20.0	<20.0	<20.0
1,2-Dibromo-3-chloropropane	2010-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
1,2-Dibromo-3-chloropropane	2010-12	ug/L										<10.0	<10.0	<20.0	<20.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
1,2-Dibromo-3-chloropropane	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
1,2-Dibromo-3-chloropropane	2011-07	ug/L	<10.0															
1,2-Dibromo-3-chloropropane	2011-08	ug/L		<10.0														
1,2-Dibromo-3-chloropropane	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2011-12	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2012-06	ug/L																
1,2-Dibromo-3-chloropropane	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2013-06	ug/L																
1,2-Dibromo-3-chloropropane	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2013-11	ug/L																
1,2-Dibromo-3-chloropropane	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	2014-06	ug/L																
1,2-Dibromo-3-chloropropane	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
1,2-Dibromo-3-chloropropane	2014-12	ug/L															<10.0	
1,2-Dibromo-3-chloropropane	2015-04	ug/L	<10.0	<10			<10	<10.0	<10	<10	<10	<10.0	<10.0			<10.0	<10	<10
1,2-Dibromo-3-chloropropane	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
1,2-Dibromo-3-chloropropane	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
1,2-Dibromo-3-chloropropane	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2017-12	ug/L					<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2018-07	ug/L												<5				
1,2-Dibromo-3-chloropropane	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2019-01	ug/L																
1,2-Dibromo-3-chloropropane	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2019-05	ug/L																
1,2-Dibromo-3-chloropropane	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2021-05	ug/L																
1,2-Dibromo-3-chloropropane	2021-08	ug/L																
1,2-Dibromo-3-chloropropane	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2021-12	ug/L																
1,2-Dibromo-3-chloropropane	2022-02	ug/L	<5		<5	<5												
1,2-Dibromo-3-chloropropane	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2022-07	ug/L			<5	<5												
1,2-Dibromo-3-chloropropane	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2023-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2023-05	ug/L			<5	<5												
1,2-Dibromo-3-chloropropane	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromo-3-chloropropane	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
1,2-Dibromoethane	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
1,2-Dibromoethane	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromoethane	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromoethane	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromoethane	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromoethane	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
1,2-Dibromoethane	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2-Dibromo-3-chloropropane	2010-08	ug/L	<20.0	<20.0														
1,2-Dibromo-3-chloropropane	2010-09	ug/L	<20.0	<20.0														
1,2-Dibromo-3-chloropropane	2010-12	ug/L	<10.0	<10.0														
1,2-Dibromo-3-chloropropane	2011-03	ug/L	<10.0	<10.0														
1,2-Dibromo-3-chloropropane	2011-04	ug/L																
1,2-Dibromo-3-chloropropane	2011-06	ug/L																
1,2-Dibromo-3-chloropropane	2011-07	ug/L																
1,2-Dibromo-3-chloropropane	2011-08	ug/L																
1,2-Dibromo-3-chloropropane	2011-09	ug/L	<10.0	<10.0														
1,2-Dibromo-3-chloropropane	2011-12	ug/L																
1,2-Dibromo-3-chloropropane	2012-03	ug/L	<10.0	<10.0														
1,2-Dibromo-3-chloropropane	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
1,2-Dibromo-3-chloropropane	2012-10	ug/L																
1,2-Dibromo-3-chloropropane	2013-03	ug/L	<10.0								<10.0							
1,2-Dibromo-3-chloropropane	2013-06	ug/L			<10.0													
1,2-Dibromo-3-chloropropane	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
1,2-Dibromo-3-chloropropane	2013-11	ug/L			<10.0													
1,2-Dibromo-3-chloropropane	2014-03	ug/L	<10.0		<10.0						<10.0							
1,2-Dibromo-3-chloropropane	2014-06	ug/L		<10.0	<10.0													
1,2-Dibromo-3-chloropropane	2014-09	ug/L	<10	<10	<10						<10							
1,2-Dibromo-3-chloropropane	2014-12	ug/L																
1,2-Dibromo-3-chloropropane	2015-04	ug/L	< 10.0	< 10.0	< 10.0						< 10							
1,2-Dibromo-3-chloropropane	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
1,2-Dibromo-3-chloropropane	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
1,2-Dibromo-3-chloropropane	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
1,2-Dibromo-3-chloropropane	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
1,2-Dibromo-3-chloropropane	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
1,2-Dibromo-3-chloropropane	2017-12	ug/L			<5													
1,2-Dibromo-3-chloropropane	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
1,2-Dibromo-3-chloropropane	2018-07	ug/L								<5								
1,2-Dibromo-3-chloropropane	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2019-01	ug/L								<5								
1,2-Dibromo-3-chloropropane	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2019-05	ug/L		<5						<5								
1,2-Dibromo-3-chloropropane	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2021-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
1,2-Dibromo-3-chloropropane	2021-05	ug/L	<5															
1,2-Dibromo-3-chloropropane	2021-08	ug/L						<5	<5									
1,2-Dibromo-3-chloropropane	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2021-12	ug/L	<5															
1,2-Dibromo-3-chloropropane	2022-02	ug/L						<5	<5									
1,2-Dibromo-3-chloropropane	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2022-07	ug/L																
1,2-Dibromo-3-chloropropane	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2023-05	ug/L																
1,2-Dibromo-3-chloropropane	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
1,2-Dibromo-3-chloropropane	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	2008-01	ug/L																
1,2-Dibromoethane	2008-03	ug/L																
1,2-Dibromoethane	2008-08	ug/L																
1,2-Dibromoethane	2008-09	ug/L																
1,2-Dibromoethane	2008-10	ug/L																
1,2-Dibromoethane	2009-03	ug/L																
1,2-Dibromoethane	2009-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dibromoethane	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
1,2-Dibromoethane	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,2-Dibromoethane	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,2-Dibromoethane	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
1,2-Dibromoethane	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
1,2-Dibromoethane	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
1,2-Dibromoethane	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2011-04	ug/L					<10.0		<10.0	<10.0							<10.0	
1,2-Dibromoethane	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
1,2-Dibromoethane	2011-07	ug/L	<10.0															
1,2-Dibromoethane	2011-08	ug/L		<10.0														
1,2-Dibromoethane	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2011-12	ug/L	<10.0	<10.0										<10.0	<10.0	<10.0	<10.0	
1,2-Dibromoethane	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2012-06	ug/L																
1,2-Dibromoethane	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2013-06	ug/L																
1,2-Dibromoethane	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2013-11	ug/L																
1,2-Dibromoethane	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,2-Dibromoethane	2014-06	ug/L																
1,2-Dibromoethane	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
1,2-Dibromoethane	2014-12	ug/L															<10.0	
1,2-Dibromoethane	2015-04	ug/L	<10.0	<10			<10	<10.0	<10	<10	<10	<10.0	<10.0			<10.0	<10	<10
1,2-Dibromoethane	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
1,2-Dibromoethane	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
1,2-Dibromoethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dibromoethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dibromoethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2017-12	ug/L					<1					<1						<1
1,2-Dibromoethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2018-07	ug/L											<1					
1,2-Dibromoethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2019-01	ug/L																
1,2-Dibromoethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2019-05	ug/L																
1,2-Dibromoethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2021-05	ug/L																
1,2-Dibromoethane	2021-08	ug/L																
1,2-Dibromoethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2021-12	ug/L																
1,2-Dibromoethane	2022-02	ug/L	<1		<1	<1												
1,2-Dibromoethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2022-07	ug/L					<1	<1	<1	<1	<1	<1						
1,2-Dibromoethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2023-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2023-05	ug/L			<1													
1,2-Dibromoethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dibromoethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dichlorobenzene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,2-Dichlorobenzene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichlorobenzene	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2-Dibromoethane	2009-09	ug/L																
1,2-Dibromoethane	2009-12	ug/L																
1,2-Dibromoethane	2010-03	ug/L																
1,2-Dibromoethane	2010-06	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2010-08	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2010-09	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2010-12	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2011-03	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2011-04	ug/L																
1,2-Dibromoethane	2011-06	ug/L																
1,2-Dibromoethane	2011-07	ug/L																
1,2-Dibromoethane	2011-08	ug/L																
1,2-Dibromoethane	2011-09	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2011-12	ug/L																
1,2-Dibromoethane	2012-03	ug/L	<10.0	<10.0														
1,2-Dibromoethane	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
1,2-Dibromoethane	2012-10	ug/L																
1,2-Dibromoethane	2013-03	ug/L	<10.0								<10.0							
1,2-Dibromoethane	2013-06	ug/L			<10.0													
1,2-Dibromoethane	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
1,2-Dibromoethane	2013-11	ug/L			<10.0													
1,2-Dibromoethane	2014-03	ug/L	<10.0		<10.0						<10.0							
1,2-Dibromoethane	2014-06	ug/L		<10.0	<10.0													
1,2-Dibromoethane	2014-09	ug/L	<10	<10	<10						<10							
1,2-Dibromoethane	2014-12	ug/L																
1,2-Dibromoethane	2015-04	ug/L	<10.0	<10.0	<10.0						<10							
1,2-Dibromoethane	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
1,2-Dibromoethane	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
1,2-Dibromoethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dibromoethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dibromoethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dibromoethane	2017-12	ug/L			<1													
1,2-Dibromoethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dibromoethane	2018-07	ug/L								<1								
1,2-Dibromoethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2019-01	ug/L								<1								
1,2-Dibromoethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2019-05	ug/L		<1						<1								
1,2-Dibromoethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2021-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dibromoethane	2021-05	ug/L	<1															
1,2-Dibromoethane	2021-08	ug/L						<1	<1									
1,2-Dibromoethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2021-12	ug/L	<1															
1,2-Dibromoethane	2022-02	ug/L						<1	<1									
1,2-Dibromoethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2022-07	ug/L																
1,2-Dibromoethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2023-05	ug/L																
1,2-Dibromoethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dibromoethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	2008-01	ug/L																
1,2-Dichlorobenzene	2008-03	ug/L																
1,2-Dichlorobenzene	2008-08	ug/L																



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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dichlorobenzene	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichlorobenzene	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichlorobenzene	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichlorobenzene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1	<1	<1	<1.00	<1			
1,2-Dichlorobenzene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichlorobenzene	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichlorobenzene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichlorobenzene	2010-06	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2010-08	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2010-12	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							
1,2-Dichlorobenzene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,2-Dichlorobenzene	2011-07	ug/L	<1.00															
1,2-Dichlorobenzene	2011-08	ug/L		<1.00														
1,2-Dichlorobenzene	2011-09	ug/L	<2.00	<2.00			<1.00	<1.00	<1.00	<10.0	<2.00	<2.00		<1.00	<1.00	<1.00	<1.00	<2.00
1,2-Dichlorobenzene	2011-12	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2012-06	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2013-06	ug/L					<1.00	<1.00	<b>0.371</b>	<1.00	<1.00	<1.00		<1.00	<1.00	<b>0.567</b>	<1.00	<1.00
1,2-Dichlorobenzene	2013-09	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2013-11	ug/L																
1,2-Dichlorobenzene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	2014-06	ug/L																
1,2-Dichlorobenzene	2014-09	ug/L	<1	<1			<1.00	<1.00	<b>0.308</b>	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,2-Dichlorobenzene	2014-12	ug/L															<1.00	
1,2-Dichlorobenzene	2015-04	ug/L	<1.00	<1			<1	<1.00	<b>0.192</b>	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,2-Dichlorobenzene	2015-10	ug/L	<1	<1			<1	<1	<b>0.268 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2016-04	ug/L	<1	<1			<1	<1	<b>0.233 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2016-10	ug/L	<1	<1			<1	<1	<b>0.312 J</b>	<1	<1	<1	<1			<b>0.319 J</b>	<1	<1
1,2-Dichlorobenzene	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2017-10	ug/L	<1	<1			<1	<1	<b>0.158 J</b>	<1	<1	<1	<1			<b>0.229 J</b>	<1	<1
1,2-Dichlorobenzene	2017-12	ug/L					<1											<1
1,2-Dichlorobenzene	2018-04	ug/L	<1	<1	<1		<1	<1	<b>0.286 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2018-07	ug/L											<1					
1,2-Dichlorobenzene	2018-10	ug/L	<1	<1			<1	<1	<b>0.472 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2019-01	ug/L																
1,2-Dichlorobenzene	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2019-05	ug/L																
1,2-Dichlorobenzene	2019-10	ug/L	<1	<1			<1	<1	<b>0.381 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2021-05	ug/L																
1,2-Dichlorobenzene	2021-08	ug/L																
1,2-Dichlorobenzene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2021-12	ug/L																
1,2-Dichlorobenzene	2022-02	ug/L	<1		<1	<1												
1,2-Dichlorobenzene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2022-07	ug/L			<1	<1												
1,2-Dichlorobenzene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2023-05	ug/L			<1	<1												
1,2-Dichlorobenzene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2-Dichlorobenzene	2008-09	ug/L																
1,2-Dichlorobenzene	2008-10	ug/L																
1,2-Dichlorobenzene	2009-03	ug/L																
1,2-Dichlorobenzene	2009-06	ug/L																
1,2-Dichlorobenzene	2009-09	ug/L																
1,2-Dichlorobenzene	2009-12	ug/L																
1,2-Dichlorobenzene	2010-03	ug/L																
1,2-Dichlorobenzene	2010-06	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2010-08	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2010-09	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2010-12	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2011-03	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2011-04	ug/L																
1,2-Dichlorobenzene	2011-06	ug/L																
1,2-Dichlorobenzene	2011-07	ug/L																
1,2-Dichlorobenzene	2011-08	ug/L																
1,2-Dichlorobenzene	2011-09	ug/L	<2.00	<2.00														
1,2-Dichlorobenzene	2011-12	ug/L																
1,2-Dichlorobenzene	2012-03	ug/L	<1.00	<1.00														
1,2-Dichlorobenzene	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,2-Dichlorobenzene	2012-10	ug/L																
1,2-Dichlorobenzene	2013-03	ug/L	<1.00								<1.00							
1,2-Dichlorobenzene	2013-06	ug/L			<1.00													
1,2-Dichlorobenzene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,2-Dichlorobenzene	2013-11	ug/L			<1.00													
1,2-Dichlorobenzene	2014-03	ug/L	<1.00		<1.00						<1.00							
1,2-Dichlorobenzene	2014-06	ug/L		<1.00	<1.00													
1,2-Dichlorobenzene	2014-09	ug/L	<1	<1	<1						<1							
1,2-Dichlorobenzene	2014-12	ug/L																
1,2-Dichlorobenzene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
1,2-Dichlorobenzene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2017-12	ug/L			<1													
1,2-Dichlorobenzene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichlorobenzene	2018-07	ug/L									<1							
1,2-Dichlorobenzene	2018-10	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,2-Dichlorobenzene	2019-01	ug/L									<1							
1,2-Dichlorobenzene	2019-03	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,2-Dichlorobenzene	2019-05	ug/L		<1							<1							
1,2-Dichlorobenzene	2019-10	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,2-Dichlorobenzene	2020-03	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,2-Dichlorobenzene	2020-09	ug/L	<1	<1	<1						<1	<1				<1	<1	
1,2-Dichlorobenzene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,2-Dichlorobenzene	2021-05	ug/L	<1															
1,2-Dichlorobenzene	2021-08	ug/L						<1	<1									
1,2-Dichlorobenzene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichlorobenzene	2021-12	ug/L	<1															
1,2-Dichlorobenzene	2022-02	ug/L						<1	<1									
1,2-Dichlorobenzene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichlorobenzene	2022-07	ug/L																
1,2-Dichlorobenzene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichlorobenzene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichlorobenzene	2023-05	ug/L																
1,2-Dichlorobenzene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichlorobenzene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dichlorobenzene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloroethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloroethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,2-Dichloroethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloroethane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloroethane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloroethane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,2-Dichloroethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,2-Dichloroethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
1,2-Dichloroethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	<1.00
1,2-Dichloroethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,2-Dichloroethane	2011-07	ug/L	<1.00															
1,2-Dichloroethane	2011-08	ug/L		<1.00														
1,2-Dichloroethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
1,2-Dichloroethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2012-06	ug/L																
1,2-Dichloroethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2013-06	ug/L																
1,2-Dichloroethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2013-11	ug/L																
1,2-Dichloroethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	2014-06	ug/L																
1,2-Dichloroethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,2-Dichloroethane	2014-12	ug/L															<1.00	
1,2-Dichloroethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1.00	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,2-Dichloroethane	2015-10	ug/L	<1	<1			<1	<1	<1.00	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2016-04	ug/L	<1	<1			<1	<1	<1.00	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2016-10	ug/L	<1	<1			<1	<1	<1.00	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2017-03	ug/L	<1	<1			<1	<1	<b>0.188 J</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2017-10	ug/L	<1	<1			<1	<1	<b>0.255 Je</b>	<b>0.183 J</b>	<b>0.199 J</b>	<1				<b>0.212 J</b>	<1	<1
1,2-Dichloroethane	2017-12	ug/L					<1											<1
1,2-Dichloroethane	2018-04	ug/L	<1	<1	<1		<1	<1	<b>0.243 Je</b>	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2018-07	ug/L											<1					
1,2-Dichloroethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2019-01	ug/L																
1,2-Dichloroethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2019-05	ug/L																
1,2-Dichloroethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2021-05	ug/L																
1,2-Dichloroethane	2021-08	ug/L																
1,2-Dichloroethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2021-12	ug/L																
1,2-Dichloroethane	2022-02	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloroethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2022-07	ug/L			<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloroethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2-Dichlorobenzene	2024-09	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2008-01	ug/L																
1,2-Dichloroethane	2008-03	ug/L																
1,2-Dichloroethane	2008-08	ug/L																
1,2-Dichloroethane	2008-09	ug/L																
1,2-Dichloroethane	2008-10	ug/L																
1,2-Dichloroethane	2009-03	ug/L																
1,2-Dichloroethane	2009-06	ug/L																
1,2-Dichloroethane	2009-09	ug/L																
1,2-Dichloroethane	2009-12	ug/L																
1,2-Dichloroethane	2010-03	ug/L																
1,2-Dichloroethane	2010-06	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2010-08	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2010-09	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2010-12	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2011-03	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2011-04	ug/L																
1,2-Dichloroethane	2011-06	ug/L																
1,2-Dichloroethane	2011-07	ug/L																
1,2-Dichloroethane	2011-08	ug/L																
1,2-Dichloroethane	2011-09	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2011-12	ug/L																
1,2-Dichloroethane	2012-03	ug/L	< 1.00	< 1.00														
1,2-Dichloroethane	2012-06	ug/L								< 1.00	< 1.00			< 1.00		< 1.00	< 1.00	
1,2-Dichloroethane	2012-10	ug/L																
1,2-Dichloroethane	2013-03	ug/L	< 1.00							< 1.00								
1,2-Dichloroethane	2013-06	ug/L			< 1.00													
1,2-Dichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00					< 1.00								
1,2-Dichloroethane	2013-11	ug/L			< 1.00													
1,2-Dichloroethane	2014-03	ug/L	< 1.00		< 1.00					< 1.00								
1,2-Dichloroethane	2014-06	ug/L		< 1.00	< 1.00													
1,2-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1					< 1								
1,2-Dichloroethane	2014-12	ug/L																
1,2-Dichloroethane	2015-04	ug/L	< 1.00	< 1.00	< 1.00					< 1								
1,2-Dichloroethane	2015-10	ug/L	< 1	< 1	< 1					< 1						< 1	< 1	
1,2-Dichloroethane	2016-04	ug/L	< 1	< 1	< 1					< 1						< 1	< 1	
1,2-Dichloroethane	2016-10	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2017-03	ug/L	< 1	< 1	< 1					< 1						< 1	< 1	
1,2-Dichloroethane	2017-10	ug/L	< 1	< 1	< 1					< 1						< 1	< 1	
1,2-Dichloroethane	2017-12	ug/L			< 1													
1,2-Dichloroethane	2018-04	ug/L	< 1	< 1	< 1					< 1						< 1	< 1	
1,2-Dichloroethane	2018-07	ug/L								< 1								
1,2-Dichloroethane	2018-10	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2019-01	ug/L								< 1								
1,2-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2019-05	ug/L		0.498 Jo						< 1								
1,2-Dichloroethane	2019-10	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2020-03	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2020-09	ug/L	< 1	< 1	< 1					< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2021-03	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1					< 1	< 1	
1,2-Dichloroethane	2021-05	ug/L	< 1															
1,2-Dichloroethane	2021-08	ug/L						< 1	< 1									
1,2-Dichloroethane	2021-10	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1							
1,2-Dichloroethane	2021-12	ug/L	< 1															
1,2-Dichloroethane	2022-02	ug/L						< 1	< 1									
1,2-Dichloroethane	2022-04	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1							
1,2-Dichloroethane	2022-07	ug/L																
1,2-Dichloroethane	2022-10	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1							

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dichloroethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2023-05	ug/L			<1													
1,2-Dichloroethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
1,2-Dichloropropane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloropropane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloropropane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloropropane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloropropane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
1,2-Dichloropropane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,2-Dichloropropane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloropropane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,2-Dichloropropane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,2-Dichloropropane	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
1,2-Dichloropropane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
1,2-Dichloropropane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
1,2-Dichloropropane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
1,2-Dichloropropane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
1,2-Dichloropropane	2011-07	ug/L	<1.00															
1,2-Dichloropropane	2011-08	ug/L		<1.00														
1,2-Dichloropropane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
1,2-Dichloropropane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2012-06	ug/L																
1,2-Dichloropropane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2013-06	ug/L																
1,2-Dichloropropane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2013-11	ug/L																
1,2-Dichloropropane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	2014-06	ug/L																
1,2-Dichloropropane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,2-Dichloropropane	2014-12	ug/L															<1.00	
1,2-Dichloropropane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
1,2-Dichloropropane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dichloropropane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2017-12	ug/L					<1					<1						<1
1,2-Dichloropropane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dichloropropane	2018-07	ug/L											<1					
1,2-Dichloropropane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2019-01	ug/L																
1,2-Dichloropropane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2019-05	ug/L																
1,2-Dichloropropane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2021-05	ug/L																
1,2-Dichloropropane	2021-08	ug/L																
1,2-Dichloropropane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1			<1	<1	<1	
1,2-Dichloropropane	2021-12	ug/L																

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
1,2-Dichloroethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloroethane	2023-05	ug/L																
1,2-Dichloroethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloroethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloroethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	2008-01	ug/L																
1,2-Dichloropropane	2008-03	ug/L																
1,2-Dichloropropane	2008-08	ug/L																
1,2-Dichloropropane	2008-09	ug/L																
1,2-Dichloropropane	2008-10	ug/L																
1,2-Dichloropropane	2009-03	ug/L																
1,2-Dichloropropane	2009-06	ug/L																
1,2-Dichloropropane	2009-09	ug/L																
1,2-Dichloropropane	2009-12	ug/L																
1,2-Dichloropropane	2010-03	ug/L																
1,2-Dichloropropane	2010-06	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2010-08	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2010-09	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2010-12	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2011-03	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2011-04	ug/L																
1,2-Dichloropropane	2011-06	ug/L																
1,2-Dichloropropane	2011-07	ug/L																
1,2-Dichloropropane	2011-08	ug/L																
1,2-Dichloropropane	2011-09	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2011-12	ug/L																
1,2-Dichloropropane	2012-03	ug/L	<1.00	<1.00														
1,2-Dichloropropane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,2-Dichloropropane	2012-10	ug/L																
1,2-Dichloropropane	2013-03	ug/L	<1.00								<1.00							
1,2-Dichloropropane	2013-06	ug/L			<1.00													
1,2-Dichloropropane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,2-Dichloropropane	2013-11	ug/L			<1.00													
1,2-Dichloropropane	2014-03	ug/L	<1.00		<1.00						<1.00							
1,2-Dichloropropane	2014-06	ug/L		<1.00	<1.00													
1,2-Dichloropropane	2014-09	ug/L	<1	<1	<1						<1							
1,2-Dichloropropane	2014-12	ug/L																
1,2-Dichloropropane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,2-Dichloropropane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2017-12	ug/L			<1													
1,2-Dichloropropane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,2-Dichloropropane	2018-07	ug/L								<1								
1,2-Dichloropropane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dichloropropane	2019-01	ug/L								<1	<1							
1,2-Dichloropropane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dichloropropane	2019-05	ug/L		<1						<1								
1,2-Dichloropropane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dichloropropane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dichloropropane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,2-Dichloropropane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,2-Dichloropropane	2021-05	ug/L	<1															
1,2-Dichloropropane	2021-08	ug/L						<1	<1									
1,2-Dichloropropane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2021-12	ug/L	<1															

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,2-Dichloropropane	2022-02	ug/L	<1		<1	<1												
1,2-Dichloropropane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2022-07	ug/L			<1	<1												
1,2-Dichloropropane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dichloropropane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2023-05	ug/L			<1													
1,2-Dichloropropane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
1,2-Dichloropropane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,3,5-Trinitrobenzene	2009-03	ug/L						<10	<10	<10								
1,3,5-Trinitrobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
1,3,5-Trinitrobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,3,5-Trinitrobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,3,5-Trinitrobenzene	2010-03	ug/L					<10.0				<10.0			<10.0				
1,3,5-Trinitrobenzene	2010-06	ug/L										<10.0						
1,3,5-Trinitrobenzene	2010-08	ug/L										<10.0	<10.0					
1,3,5-Trinitrobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
1,3,5-Trinitrobenzene	2010-12	ug/L										<10.0						
1,3,5-Trinitrobenzene	2011-03	ug/L											<10.0		<10.0			
1,3,5-Trinitrobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
1,3,5-Trinitrobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
1,3,5-Trinitrobenzene	2011-12	ug/L													<10.0	<10.0	<10.0	
1,3,5-Trinitrobenzene	2012-03	ug/L														<10.0	<10.0	
1,3,5-Trinitrobenzene	2014-12	ug/L																<10.2
1,3,5-Trinitrobenzene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
1,3,5-Trinitrobenzene	2017-10	ug/L						<10.5										
1,3,5-Trinitrobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
1,3,5-Trinitrobenzene	2018-07	ug/L											<10.4					
1,3,5-Trinitrobenzene	2018-10	ug/L											<10.4					
1,3,5-Trinitrobenzene	2019-05	ug/L																
1,3,5-Trinitrobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
1,3,5-Trinitrobenzene	2021-12	ug/L																
1,3,5-Trinitrobenzene	2022-10	ug/L					<8.47	<8.47										<8.47
1,3,5-Trinitrobenzene	2024-04	ug/L											<10.6					
1,3-Dichlorobenzene	2009-03	ug/L						<1	<1	<1								
1,3-Dichlorobenzene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,3-Dichlorobenzene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,3-Dichlorobenzene	2009-12	ug/L					<2.00	<2.00	<2.00	<1.00	<1.00			<1.00				
1,3-Dichlorobenzene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,3-Dichlorobenzene	2010-06	ug/L										<1.00						
1,3-Dichlorobenzene	2010-08	ug/L										<1.00	<1.00					
1,3-Dichlorobenzene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,3-Dichlorobenzene	2010-12	ug/L										<1.00						
1,3-Dichlorobenzene	2011-03	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00			
1,3-Dichlorobenzene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
1,3-Dichlorobenzene	2011-06	ug/L											<1.00		<1.00	<1.00	<1.00	
1,3-Dichlorobenzene	2011-09	ug/L					<1.00	<1.00	<1.00	<10.0	<2.00	<2.00		<1.00	<1.00	<1.00	<1.00	
1,3-Dichlorobenzene	2011-12	ug/L													<1.00	<1.00	<1.00	
1,3-Dichlorobenzene	2012-03	ug/L														<1.00	<1.00	
1,3-Dichlorobenzene	2014-12	ug/L																<1.00
1,3-Dichlorobenzene	2016-10	ug/L							<1	<1	<1					<1	<1	
1,3-Dichlorobenzene	2017-10	ug/L						<1										<1
1,3-Dichlorobenzene	2017-12	ug/L										<1						
1,3-Dichlorobenzene	2018-07	ug/L											<1					
1,3-Dichlorobenzene	2018-10	ug/L											<1					
1,3-Dichlorobenzene	2019-05	ug/L																
1,3-Dichlorobenzene	2021-10	ug/L							<1	<1	<1					<1	<1	
1,3-Dichlorobenzene	2021-12	ug/L																

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1,2-Dichloropropane	2022-02	ug/L						<1	<1									
1,2-Dichloropropane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2022-07	ug/L																
1,2-Dichloropropane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2023-05	ug/L																
1,2-Dichloropropane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,2-Dichloropropane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	2009-03	ug/L																
1,3,5-Trinitrobenzene	2009-06	ug/L																
1,3,5-Trinitrobenzene	2009-09	ug/L																
1,3,5-Trinitrobenzene	2009-12	ug/L																
1,3,5-Trinitrobenzene	2010-03	ug/L																
1,3,5-Trinitrobenzene	2010-06	ug/L																
1,3,5-Trinitrobenzene	2010-08	ug/L																
1,3,5-Trinitrobenzene	2010-09	ug/L																
1,3,5-Trinitrobenzene	2010-12	ug/L																
1,3,5-Trinitrobenzene	2011-03	ug/L																
1,3,5-Trinitrobenzene	2011-06	ug/L																
1,3,5-Trinitrobenzene	2011-09	ug/L																
1,3,5-Trinitrobenzene	2011-12	ug/L																
1,3,5-Trinitrobenzene	2012-03	ug/L																
1,3,5-Trinitrobenzene	2014-12	ug/L																
1,3,5-Trinitrobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
1,3,5-Trinitrobenzene	2017-10	ug/L																
1,3,5-Trinitrobenzene	2017-12	ug/L			<10.4													
1,3,5-Trinitrobenzene	2018-07	ug/L								<10.1								
1,3,5-Trinitrobenzene	2018-10	ug/L								<10.3								
1,3,5-Trinitrobenzene	2019-05	ug/L		<10.1														
1,3,5-Trinitrobenzene	2021-10	ug/L																
1,3,5-Trinitrobenzene	2021-12	ug/L	<10.5															
1,3,5-Trinitrobenzene	2022-10	ug/L			<8.77													
1,3,5-Trinitrobenzene	2024-04	ug/L		<10.2														
1,3-Dichlorobenzene	2009-03	ug/L																
1,3-Dichlorobenzene	2009-06	ug/L																
1,3-Dichlorobenzene	2009-09	ug/L																
1,3-Dichlorobenzene	2009-12	ug/L																
1,3-Dichlorobenzene	2010-03	ug/L																
1,3-Dichlorobenzene	2010-06	ug/L																
1,3-Dichlorobenzene	2010-08	ug/L																
1,3-Dichlorobenzene	2010-09	ug/L																
1,3-Dichlorobenzene	2010-12	ug/L																
1,3-Dichlorobenzene	2011-03	ug/L																
1,3-Dichlorobenzene	2011-04	ug/L																
1,3-Dichlorobenzene	2011-06	ug/L																
1,3-Dichlorobenzene	2011-09	ug/L																
1,3-Dichlorobenzene	2011-12	ug/L																
1,3-Dichlorobenzene	2012-03	ug/L																
1,3-Dichlorobenzene	2014-12	ug/L																
1,3-Dichlorobenzene	2016-10	ug/L									<1					<1	<1	
1,3-Dichlorobenzene	2017-10	ug/L																
1,3-Dichlorobenzene	2017-12	ug/L			<1													
1,3-Dichlorobenzene	2018-07	ug/L								<1								
1,3-Dichlorobenzene	2018-10	ug/L								<1								
1,3-Dichlorobenzene	2019-05	ug/L		<1														
1,3-Dichlorobenzene	2021-10	ug/L																
1,3-Dichlorobenzene	2021-12	ug/L	<1															



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,3-Dichlorobenzene	2022-10	ug/L					<1	<1				<1						<1
1,3-Dichlorobenzene	2024-04	ug/L											<1					
1,3-Dichloropropane	2009-03	ug/L						<1	<1	<1								
1,3-Dichloropropane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
1,3-Dichloropropane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,3-Dichloropropane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,3-Dichloropropane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
1,3-Dichloropropane	2010-06	ug/L										<1.00						
1,3-Dichloropropane	2010-08	ug/L										<1.00	<1.00					
1,3-Dichloropropane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,3-Dichloropropane	2010-12	ug/L										<1.00						
1,3-Dichloropropane	2011-03	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00			
1,3-Dichloropropane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
1,3-Dichloropropane	2011-06	ug/L											<1.00		<1.00	<1.00	<1.00	
1,3-Dichloropropane	2011-09	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	
1,3-Dichloropropane	2011-12	ug/L												<1.00	<1.00	<1.00	<1.00	
1,3-Dichloropropane	2012-03	ug/L												<1.00		<1.00	<1.00	<1.00
1,3-Dichloropropane	2014-12	ug/L																<1.00
1,3-Dichloropropane	2016-10	ug/L							<1	<1	<1					<1	<1	
1,3-Dichloropropane	2017-10	ug/L						<1										<1
1,3-Dichloropropane	2017-12	ug/L										<1						
1,3-Dichloropropane	2018-07	ug/L											<1					
1,3-Dichloropropane	2018-10	ug/L											<1					
1,3-Dichloropropane	2019-05	ug/L																
1,3-Dichloropropane	2021-10	ug/L							<1	<1	<1					<1	<1	
1,3-Dichloropropane	2021-12	ug/L																
1,3-Dichloropropane	2022-10	ug/L					<1	<1				<1						<1
1,3-Dichloropropane	2024-04	ug/L											<1					
1,3-Dinitrobenzene	2009-03	ug/L						<10	<10	<10								
1,3-Dinitrobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
1,3-Dinitrobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,3-Dinitrobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,3-Dinitrobenzene	2010-03	ug/L					<10.0				<10.0			<10.0				
1,3-Dinitrobenzene	2010-06	ug/L										<10.0						
1,3-Dinitrobenzene	2010-08	ug/L										<10.0	<10.0					
1,3-Dinitrobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
1,3-Dinitrobenzene	2010-12	ug/L										<10.0						
1,3-Dinitrobenzene	2011-03	ug/L											<10.0		<10.0			
1,3-Dinitrobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
1,3-Dinitrobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
1,3-Dinitrobenzene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
1,3-Dinitrobenzene	2012-03	ug/L													<10.0	<10.0	<10.0	
1,3-Dinitrobenzene	2014-12	ug/L																<10.2
1,3-Dinitrobenzene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
1,3-Dinitrobenzene	2017-10	ug/L						<10.5										
1,3-Dinitrobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
1,3-Dinitrobenzene	2018-07	ug/L											<10.4					
1,3-Dinitrobenzene	2018-10	ug/L											<10.4					
1,3-Dinitrobenzene	2019-05	ug/L																
1,3-Dinitrobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
1,3-Dinitrobenzene	2021-12	ug/L																
1,3-Dinitrobenzene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
1,3-Dinitrobenzene	2024-04	ug/L											<10.6					
1,4-Dichlorobenzene	2008-01	ug/L					<1	<1	5.14	<1	<1	<1	<1	<1	<1			
1,4-Dichlorobenzene	2008-03	ug/L					<1.00	<1.00	3.80	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
1,4-Dichlorobenzene	2008-08	ug/L					<1	<1	5.27	0.47	<1	<1	<1	<1	<1			
1,4-Dichlorobenzene	2008-09	ug/L					<1	<1	6.29	<1	<1	<1	<1	<1	<1			
1,4-Dichlorobenzene	2008-10	ug/L					<1	0.48	5.73	0.63	0.2	<1	<1	<1	<1			

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1,3-Dichlorobenzene	2022-10	ug/L			<1													
1,3-Dichlorobenzene	2024-04	ug/L		<1														
1,3-Dichloropropane	2009-03	ug/L																
1,3-Dichloropropane	2009-06	ug/L																
1,3-Dichloropropane	2009-09	ug/L																
1,3-Dichloropropane	2009-12	ug/L																
1,3-Dichloropropane	2010-03	ug/L																
1,3-Dichloropropane	2010-06	ug/L																
1,3-Dichloropropane	2010-08	ug/L																
1,3-Dichloropropane	2010-09	ug/L																
1,3-Dichloropropane	2010-12	ug/L																
1,3-Dichloropropane	2011-03	ug/L																
1,3-Dichloropropane	2011-04	ug/L																
1,3-Dichloropropane	2011-06	ug/L																
1,3-Dichloropropane	2011-09	ug/L																
1,3-Dichloropropane	2011-12	ug/L																
1,3-Dichloropropane	2012-03	ug/L																
1,3-Dichloropropane	2014-12	ug/L																
1,3-Dichloropropane	2016-10	ug/L									<1					<1	<1	
1,3-Dichloropropane	2017-10	ug/L																
1,3-Dichloropropane	2017-12	ug/L			<1													
1,3-Dichloropropane	2018-07	ug/L								<1								
1,3-Dichloropropane	2018-10	ug/L								<1								
1,3-Dichloropropane	2019-05	ug/L		<1														
1,3-Dichloropropane	2021-10	ug/L																
1,3-Dichloropropane	2021-12	ug/L	<1															
1,3-Dichloropropane	2022-10	ug/L			<1													
1,3-Dichloropropane	2024-04	ug/L		<1														
1,3-Dinitrobenzene	2009-03	ug/L																
1,3-Dinitrobenzene	2009-06	ug/L																
1,3-Dinitrobenzene	2009-09	ug/L																
1,3-Dinitrobenzene	2009-12	ug/L																
1,3-Dinitrobenzene	2010-03	ug/L																
1,3-Dinitrobenzene	2010-06	ug/L																
1,3-Dinitrobenzene	2010-08	ug/L																
1,3-Dinitrobenzene	2010-09	ug/L																
1,3-Dinitrobenzene	2010-12	ug/L																
1,3-Dinitrobenzene	2011-03	ug/L																
1,3-Dinitrobenzene	2011-06	ug/L																
1,3-Dinitrobenzene	2011-09	ug/L																
1,3-Dinitrobenzene	2011-12	ug/L																
1,3-Dinitrobenzene	2012-03	ug/L																
1,3-Dinitrobenzene	2014-12	ug/L																
1,3-Dinitrobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
1,3-Dinitrobenzene	2017-10	ug/L																
1,3-Dinitrobenzene	2017-12	ug/L			<10.4													
1,3-Dinitrobenzene	2018-07	ug/L								<10.1								
1,3-Dinitrobenzene	2018-10	ug/L								<10.3								
1,3-Dinitrobenzene	2019-05	ug/L		<10.1														
1,3-Dinitrobenzene	2021-10	ug/L																
1,3-Dinitrobenzene	2021-12	ug/L	<10.5															
1,3-Dinitrobenzene	2022-10	ug/L			<8.77													
1,3-Dinitrobenzene	2024-04	ug/L		<10.2														
1,4-Dichlorobenzene	2008-01	ug/L																
1,4-Dichlorobenzene	2008-03	ug/L																
1,4-Dichlorobenzene	2008-08	ug/L																
1,4-Dichlorobenzene	2008-09	ug/L																
1,4-Dichlorobenzene	2008-10	ug/L																

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
1,4-Dichlorobenzene	2009-03	ug/L					<1	0.29	3.85	0.47	<1	<1	<1	<1	<1			
1,4-Dichlorobenzene	2009-06	ug/L					<5.00	<1	4.52	<1.00	<1	<1.00	<1.00	<1.00				
1,4-Dichlorobenzene	2009-09	ug/L					<1.00	<1.00	6.66	<1.00	<1.00	<1.00	<1.00	<1.00				
1,4-Dichlorobenzene	2009-12	ug/L					<2.00	<2.00	5.54	<1.00	<1.00	<1.00	<1.00	<1.00				
1,4-Dichlorobenzene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,4-Dichlorobenzene	2010-06	ug/L									<1.00	<1.00	<1.00			5.24	<1.00	<1.00
1,4-Dichlorobenzene	2010-08	ug/L									<1.00	<1.00	<1.00			6.69	<1.00	<1.00
1,4-Dichlorobenzene	2010-09	ug/L					<1.00	<1.00	5.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6.92	<1.00	<1.00
1,4-Dichlorobenzene	2010-12	ug/L									<2.00	<1.00	<1.00	<1.00		6.53	<2.00	<2.00
1,4-Dichlorobenzene	2011-03	ug/L		<1.00			<1.00	<1.00	5.34	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	4.62	<1.00	<1.00
1,4-Dichlorobenzene	2011-04	ug/L					<1.00		2.86	<10.0	<1.00						<1.00	
1,4-Dichlorobenzene	2011-06	ug/L		<1.00								<1.00	<1.00	<1.00		4.73	<1.00	
1,4-Dichlorobenzene	2011-07	ug/L	<1.00															
1,4-Dichlorobenzene	2011-08	ug/L		<1.00														
1,4-Dichlorobenzene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	7.37	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	7.06	<1.00	<1.00
1,4-Dichlorobenzene	2011-12	ug/L	<1.00	<1.00												5.83	<1.00	
1,4-Dichlorobenzene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	5.50	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	3.78	<1.00	<1.00
1,4-Dichlorobenzene	2012-06	ug/L																
1,4-Dichlorobenzene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	5.44	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6.38	<1.00	<1.00
1,4-Dichlorobenzene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	4.70	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	0.704	<1.00	<1.00
1,4-Dichlorobenzene	2013-06	ug/L																
1,4-Dichlorobenzene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	8.08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6.58	<1.00	<1.00
1,4-Dichlorobenzene	2013-11	ug/L																
1,4-Dichlorobenzene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	4.13	0.519	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	2014-06	ug/L																
1,4-Dichlorobenzene	2014-09	ug/L	<1	<1			<1.00	<1.00	6.07	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
1,4-Dichlorobenzene	2014-12	ug/L															0.412	
1,4-Dichlorobenzene	2015-04	ug/L	<1.00	<1			<1	<1.00	3.31	<1	<1	<1.00	<1.00			0.236	<1	<1
1,4-Dichlorobenzene	2015-10	ug/L	<1	<1			<1	<1	5.81	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2016-04	ug/L	<1	<1			<1	<1	4.28	<1	<1	<1	<1			0.978 J	0.291 J	<1
1,4-Dichlorobenzene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2017-03	ug/L	<1	<1			<1	<1	3.02	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2017-10	ug/L	<1	<1			<1	<1	3.29	0.497 J	<1	<1	<1			2.32	<1	<1
1,4-Dichlorobenzene	2017-12	ug/L					<1					<1						<1
1,4-Dichlorobenzene	2018-04	ug/L	<1	<1	<1		<1	<1	5.47	0.73 J	<1	<1	<1			0.21 J	<1	<1
1,4-Dichlorobenzene	2018-07	ug/L											<1					
1,4-Dichlorobenzene	2018-10	ug/L	<1	<1			<1	<1	<1	0.574 J	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2019-01	ug/L																
1,4-Dichlorobenzene	2019-03	ug/L	<1	<1			<1	<1	5.26	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2019-05	ug/L																
1,4-Dichlorobenzene	2019-10	ug/L	<1	<1			<1	<1	6.61	<1	<1	<1	<1			0.616 J	<1	<1
1,4-Dichlorobenzene	2020-03	ug/L	<1	<1			<1	<1	3.18	0.791 J	<1	<1	<1			0.767 J	<1	<1
1,4-Dichlorobenzene	2020-09	ug/L	<1	<1			<1	<1	5.17	<1	<1	<1	<1			0.834 J	<1	<1
1,4-Dichlorobenzene	2021-03	ug/L	<1	<1			<1	<1	2.94	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2021-05	ug/L																
1,4-Dichlorobenzene	2021-08	ug/L																
1,4-Dichlorobenzene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	0.794 J	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2021-12	ug/L																
1,4-Dichlorobenzene	2022-02	ug/L	<1		<1	<1												
1,4-Dichlorobenzene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	1.18	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2022-07	ug/L			<1	<1												
1,4-Dichlorobenzene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	3.61	0.461 J	<1	<1	<1			3.39	<1	<1
1,4-Dichlorobenzene	2023-04	ug/L	<1	<1	<1	<1	<1	<1	1.32	0.337 J	<1	<1	<1			0.338 J	<1	<1
1,4-Dichlorobenzene	2023-05	ug/L			<1													
1,4-Dichlorobenzene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	3.13	0.477 J	<1	<1	<1			3.61	<1	<1
1,4-Dichlorobenzene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	1	0.642 J	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	2.28	0.541 J	<1	<1	<1			1.87	0.278 J	<1
1,4-Napththoquinone	2009-03	ug/L					<10	<10	<10	<10								

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1,4-Dichlorobenzene	2009-03	ug/L																
1,4-Dichlorobenzene	2009-06	ug/L																
1,4-Dichlorobenzene	2009-09	ug/L																
1,4-Dichlorobenzene	2009-12	ug/L																
1,4-Dichlorobenzene	2010-03	ug/L																
1,4-Dichlorobenzene	2010-06	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2010-08	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2010-09	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2010-12	ug/L	<2.00	<2.00														
1,4-Dichlorobenzene	2011-03	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2011-04	ug/L																
1,4-Dichlorobenzene	2011-06	ug/L																
1,4-Dichlorobenzene	2011-07	ug/L																
1,4-Dichlorobenzene	2011-08	ug/L																
1,4-Dichlorobenzene	2011-09	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2011-12	ug/L																
1,4-Dichlorobenzene	2012-03	ug/L	<1.00	<1.00														
1,4-Dichlorobenzene	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
1,4-Dichlorobenzene	2012-10	ug/L																
1,4-Dichlorobenzene	2013-03	ug/L	<1.00								<1.00							
1,4-Dichlorobenzene	2013-06	ug/L			<1.00													
1,4-Dichlorobenzene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
1,4-Dichlorobenzene	2013-11	ug/L			<1.00													
1,4-Dichlorobenzene	2014-03	ug/L	<1.00		<1.00						<1.00							
1,4-Dichlorobenzene	2014-06	ug/L		<1.00	<1.00													
1,4-Dichlorobenzene	2014-09	ug/L	<1	<1	<1						<1							
1,4-Dichlorobenzene	2014-12	ug/L																
1,4-Dichlorobenzene	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
1,4-Dichlorobenzene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2017-12	ug/L			<1													
1,4-Dichlorobenzene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
1,4-Dichlorobenzene	2018-07	ug/L								<1								
1,4-Dichlorobenzene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,4-Dichlorobenzene	2019-01	ug/L								<1	<1							
1,4-Dichlorobenzene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,4-Dichlorobenzene	2019-05	ug/L		<1						<1								
1,4-Dichlorobenzene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,4-Dichlorobenzene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,4-Dichlorobenzene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
1,4-Dichlorobenzene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
1,4-Dichlorobenzene	2021-05	ug/L	<1															
1,4-Dichlorobenzene	2021-08	ug/L						<1	<1									
1,4-Dichlorobenzene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2021-12	ug/L	<1															
1,4-Dichlorobenzene	2022-02	ug/L						<1	<1									
1,4-Dichlorobenzene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2022-07	ug/L																
1,4-Dichlorobenzene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2023-05	ug/L																
1,4-Dichlorobenzene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
1,4-Dichlorobenzene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	2009-03	ug/L																

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1,4-Naphthoquinone	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
1,4-Naphthoquinone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,4-Naphthoquinone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1,4-Naphthoquinone	2010-03	ug/L					<10.0				<10.0			<10.0				
1,4-Naphthoquinone	2010-06	ug/L										<10.0						
1,4-Naphthoquinone	2010-08	ug/L										<10.0	<10.0					
1,4-Naphthoquinone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
1,4-Naphthoquinone	2010-12	ug/L										<10.0						
1,4-Naphthoquinone	2011-03	ug/L											<10.0		<10.0			
1,4-Naphthoquinone	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
1,4-Naphthoquinone	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
1,4-Naphthoquinone	2011-12	ug/L													<10.0	<10.0	<10.0	
1,4-Naphthoquinone	2012-03	ug/L														<10.0	<10.0	
1,4-Naphthoquinone	2014-12	ug/L															<10.2	
1,4-Naphthoquinone	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
1,4-Naphthoquinone	2017-10	ug/L						<10.5										
1,4-Naphthoquinone	2017-12	ug/L					<10.6					<10.4						<10.4
1,4-Naphthoquinone	2018-07	ug/L											<10.4					
1,4-Naphthoquinone	2018-10	ug/L											<10.4					
1,4-Naphthoquinone	2019-05	ug/L																
1,4-Naphthoquinone	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
1,4-Naphthoquinone	2021-12	ug/L																
1,4-Naphthoquinone	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
1,4-Naphthoquinone	2024-04	ug/L											<10.6					
1-Naphthylamine	2009-03	ug/L						<10	<10	<10								
1-Naphthylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
1-Naphthylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1-Naphthylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
1-Naphthylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
1-Naphthylamine	2010-06	ug/L										<10.0						
1-Naphthylamine	2010-08	ug/L										<10.0	<10.0					
1-Naphthylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
1-Naphthylamine	2010-12	ug/L										<10.0						
1-Naphthylamine	2011-03	ug/L											<10.0		<10.0			
1-Naphthylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
1-Naphthylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
1-Naphthylamine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
1-Naphthylamine	2012-03	ug/L														<10.0	<10.0	
1-Naphthylamine	2014-12	ug/L															<10.2	
1-Naphthylamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
1-Naphthylamine	2017-10	ug/L						<10.5										
1-Naphthylamine	2017-12	ug/L					<10.6					<10.4						<10.4
1-Naphthylamine	2018-07	ug/L											<10.4					
1-Naphthylamine	2018-10	ug/L											<10.4					
1-Naphthylamine	2019-05	ug/L																
1-Naphthylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
1-Naphthylamine	2021-12	ug/L																
1-Naphthylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
1-Naphthylamine	2024-04	ug/L											<10.6					
2,2-Dichloropropane	2009-03	ug/L						<4	<4	<4								
2,2-Dichloropropane	2009-06	ug/L					<20.0	<4	<4	<4.00	<4			<4.00				
2,2-Dichloropropane	2009-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00			<4.00				
2,2-Dichloropropane	2009-12	ug/L					<5.00	<5.00	<5.00	<4.00	<4.00			<4.00				
2,2-Dichloropropane	2010-03	ug/L					<4.00	<4.00	<50.0	<50.0	<4.00			<50.0				
2,2-Dichloropropane	2010-06	ug/L										<4.00						
2,2-Dichloropropane	2010-08	ug/L										<4.00	<4.00					
2,2-Dichloropropane	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00				
2,2-Dichloropropane	2010-12	ug/L										<5.00						

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1,4-Naphthoquinone	2009-06	ug/L																
1,4-Naphthoquinone	2009-09	ug/L																
1,4-Naphthoquinone	2009-12	ug/L																
1,4-Naphthoquinone	2010-03	ug/L																
1,4-Naphthoquinone	2010-06	ug/L																
1,4-Naphthoquinone	2010-08	ug/L																
1,4-Naphthoquinone	2010-09	ug/L																
1,4-Naphthoquinone	2010-12	ug/L																
1,4-Naphthoquinone	2011-03	ug/L																
1,4-Naphthoquinone	2011-06	ug/L																
1,4-Naphthoquinone	2011-09	ug/L																
1,4-Naphthoquinone	2011-12	ug/L																
1,4-Naphthoquinone	2012-03	ug/L																
1,4-Naphthoquinone	2014-12	ug/L																
1,4-Naphthoquinone	2016-10	ug/L									<10.4					<10.3	<10.2	
1,4-Naphthoquinone	2017-10	ug/L																
1,4-Naphthoquinone	2017-12	ug/L			<10.4													
1,4-Naphthoquinone	2018-07	ug/L								<10.1								
1,4-Naphthoquinone	2018-10	ug/L								<10.3								
1,4-Naphthoquinone	2019-05	ug/L		<10.1														
1,4-Naphthoquinone	2021-10	ug/L																
1,4-Naphthoquinone	2021-12	ug/L	<10.5															
1,4-Naphthoquinone	2022-10	ug/L			<8.77													
1,4-Naphthoquinone	2024-04	ug/L		<10.2														
1-Naphthylamine	2009-03	ug/L																
1-Naphthylamine	2009-06	ug/L																
1-Naphthylamine	2009-09	ug/L																
1-Naphthylamine	2009-12	ug/L																
1-Naphthylamine	2010-03	ug/L																
1-Naphthylamine	2010-06	ug/L																
1-Naphthylamine	2010-08	ug/L																
1-Naphthylamine	2010-09	ug/L																
1-Naphthylamine	2010-12	ug/L																
1-Naphthylamine	2011-03	ug/L																
1-Naphthylamine	2011-06	ug/L																
1-Naphthylamine	2011-09	ug/L																
1-Naphthylamine	2011-12	ug/L																
1-Naphthylamine	2012-03	ug/L																
1-Naphthylamine	2014-12	ug/L																
1-Naphthylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
1-Naphthylamine	2017-10	ug/L																
1-Naphthylamine	2017-12	ug/L			<10.4													
1-Naphthylamine	2018-07	ug/L								<10.1								
1-Naphthylamine	2018-10	ug/L								<10.3								
1-Naphthylamine	2019-05	ug/L		<10.1														
1-Naphthylamine	2021-10	ug/L																
1-Naphthylamine	2021-12	ug/L	<10.5															
1-Naphthylamine	2022-10	ug/L			<8.77													
1-Naphthylamine	2024-04	ug/L		<10.2														
2,2-Dichloropropane	2009-03	ug/L																
2,2-Dichloropropane	2009-06	ug/L																
2,2-Dichloropropane	2009-09	ug/L																
2,2-Dichloropropane	2009-12	ug/L																
2,2-Dichloropropane	2010-03	ug/L																
2,2-Dichloropropane	2010-06	ug/L																
2,2-Dichloropropane	2010-08	ug/L																
2,2-Dichloropropane	2010-09	ug/L																
2,2-Dichloropropane	2010-12	ug/L																

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2,2-Dichloropropane	2011-03	ug/L					< 4.00	< 4.00	< 4.00	< 40.0	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00			
2,2-Dichloropropane	2011-04	ug/L					< 4.00		< 4.00	< 40.0	< 4.00						< 4.00	
2,2-Dichloropropane	2011-06	ug/L										< 4.00			< 4.00	< 4.00	< 4.00	
2,2-Dichloropropane	2011-09	ug/L					< 4.00	< 4.00	< 4.00	< 40.0	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	
2,2-Dichloropropane	2011-12	ug/L													< 4.00	< 4.00	< 4.00	
2,2-Dichloropropane	2012-03	ug/L												< 4.00		< 4.00	< 4.00	
2,2-Dichloropropane	2014-12	ug/L															< 4.00	
2,2-Dichloropropane	2016-10	ug/L							< 4	< 4	< 4					< 4	< 4	
2,2-Dichloropropane	2017-10	ug/L						< 4										
2,2-Dichloropropane	2017-12	ug/L					< 4				< 4							< 4
2,2-Dichloropropane	2018-07	ug/L										< 4						
2,2-Dichloropropane	2018-10	ug/L										< 4						
2,2-Dichloropropane	2019-05	ug/L																
2,2-Dichloropropane	2021-10	ug/L							< 4	< 4	< 4					< 4	< 4	
2,2-Dichloropropane	2021-12	ug/L																
2,2-Dichloropropane	2022-10	ug/L					< 4	< 4				< 4						< 4
2,2-Dichloropropane	2024-04	ug/L											< 4					
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L						< 10	< 10	< 10								
2,2'-oxybis(1-Chloropropane)	2009-06	ug/L					< 10.0	< 10	< 10	< 10.0	< 10			< 10.0				
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0				
2,2'-oxybis(1-Chloropropane)	2009-12	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0				
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L					< 10.0				< 10.0			< 10.0				
2,2'-oxybis(1-Chloropropane)	2010-06	ug/L										< 10.0						
2,2'-oxybis(1-Chloropropane)	2010-08	ug/L										< 10.0	< 10.0					
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0				
2,2'-oxybis(1-Chloropropane)	2010-12	ug/L										< 10.0						
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L											< 10.0		< 10.0			
2,2'-oxybis(1-Chloropropane)	2011-06	ug/L											< 10.0		< 10.0	< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2011-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2011-12	ug/L													< 10.0	< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L														< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2014-12	ug/L															< 10.2	
2,2'-oxybis(1-Chloropropane)	2017-10	ug/L						< 10.5										
2,2'-oxybis(1-Chloropropane)	2017-12	ug/L					< 10.6					< 10.4						< 10.4
2,2'-oxybis(1-Chloropropane)	2018-07	ug/L											< 10.4					
2,2'-oxybis(1-Chloropropane)	2018-10	ug/L											< 10.4					
2,2'-oxybis(1-Chloropropane)	2019-05	ug/L																
2,2'-oxybis(1-Chloropropane)	2021-10	ug/L							< 10.5	< 10.5	< 10.2					< 10.4	< 10.5	
2,2'-oxybis(1-Chloropropane)	2021-12	ug/L																
2,2'-oxybis(1-Chloropropane)	2022-10	ug/L					< 8.47	< 8.47				< 8.47						< 8.47
2,2'-oxybis(1-Chloropropane)	2024-04	ug/L											< 10.6					
2,3,4,6-Tetrachlorophenol	2009-03	ug/L						< 10	< 10	< 10								
2,3,4,6-Tetrachlorophenol	2009-06	ug/L					< 10.0	< 10	< 10	< 10.0	< 10			< 10.0				
2,3,4,6-Tetrachlorophenol	2009-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0				
2,3,4,6-Tetrachlorophenol	2009-12	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0				
2,3,4,6-Tetrachlorophenol	2010-03	ug/L					< 10.0				< 10.0			< 10.0				
2,3,4,6-Tetrachlorophenol	2010-06	ug/L										< 10.0						
2,3,4,6-Tetrachlorophenol	2010-08	ug/L										< 10.0	< 10.0					
2,3,4,6-Tetrachlorophenol	2010-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0				
2,3,4,6-Tetrachlorophenol	2010-12	ug/L										< 10.0						
2,3,4,6-Tetrachlorophenol	2011-03	ug/L											< 10.0		< 10.0			
2,3,4,6-Tetrachlorophenol	2011-06	ug/L											< 10.0		< 10.0	< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2011-09	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2011-12	ug/L												< 10.0		< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2012-03	ug/L													< 10.0	< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2014-12	ug/L															< 10.2	
2,3,4,6-Tetrachlorophenol	2016-10	ug/L						< 10	< 10	< 10.9						< 11.2	< 11.1	
2,3,4,6-Tetrachlorophenol	2017-10	ug/L						< 10.5										

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2,2-Dichloropropane	2011-03	ug/L																
2,2-Dichloropropane	2011-04	ug/L																
2,2-Dichloropropane	2011-06	ug/L																
2,2-Dichloropropane	2011-09	ug/L																
2,2-Dichloropropane	2011-12	ug/L																
2,2-Dichloropropane	2012-03	ug/L																
2,2-Dichloropropane	2014-12	ug/L																
2,2-Dichloropropane	2016-10	ug/L									<4					<4	<4	
2,2-Dichloropropane	2017-10	ug/L																
2,2-Dichloropropane	2017-12	ug/L			<4													
2,2-Dichloropropane	2018-07	ug/L								<4								
2,2-Dichloropropane	2018-10	ug/L								<4								
2,2-Dichloropropane	2019-05	ug/L		<4														
2,2-Dichloropropane	2021-10	ug/L																
2,2-Dichloropropane	2021-12	ug/L	<4															
2,2-Dichloropropane	2022-10	ug/L			<4													
2,2-Dichloropropane	2024-04	ug/L		<4														
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2009-06	ug/L																
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L																
2,2'-oxybis(1-Chloropropane)	2009-12	ug/L																
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2010-06	ug/L																
2,2'-oxybis(1-Chloropropane)	2010-08	ug/L																
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L																
2,2'-oxybis(1-Chloropropane)	2010-12	ug/L																
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2011-06	ug/L																
2,2'-oxybis(1-Chloropropane)	2011-09	ug/L																
2,2'-oxybis(1-Chloropropane)	2011-12	ug/L																
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2014-12	ug/L																
2,2'-oxybis(1-Chloropropane)	2017-10	ug/L																
2,2'-oxybis(1-Chloropropane)	2017-12	ug/L			<10.4													
2,2'-oxybis(1-Chloropropane)	2018-07	ug/L								<10.1								
2,2'-oxybis(1-Chloropropane)	2018-10	ug/L								<10.3								
2,2'-oxybis(1-Chloropropane)	2019-05	ug/L		<10.1														
2,2'-oxybis(1-Chloropropane)	2021-10	ug/L																
2,2'-oxybis(1-Chloropropane)	2021-12	ug/L	<10.5															
2,2'-oxybis(1-Chloropropane)	2022-10	ug/L			<8.77													
2,2'-oxybis(1-Chloropropane)	2024-04	ug/L		<10.2														
2,3,4,6-Tetrachlorophenol	2009-03	ug/L																
2,3,4,6-Tetrachlorophenol	2009-06	ug/L																
2,3,4,6-Tetrachlorophenol	2009-09	ug/L																
2,3,4,6-Tetrachlorophenol	2009-12	ug/L																
2,3,4,6-Tetrachlorophenol	2010-03	ug/L																
2,3,4,6-Tetrachlorophenol	2010-06	ug/L																
2,3,4,6-Tetrachlorophenol	2010-08	ug/L																
2,3,4,6-Tetrachlorophenol	2010-09	ug/L																
2,3,4,6-Tetrachlorophenol	2010-12	ug/L																
2,3,4,6-Tetrachlorophenol	2011-03	ug/L																
2,3,4,6-Tetrachlorophenol	2011-06	ug/L																
2,3,4,6-Tetrachlorophenol	2011-09	ug/L																
2,3,4,6-Tetrachlorophenol	2011-12	ug/L																
2,3,4,6-Tetrachlorophenol	2012-03	ug/L																
2,3,4,6-Tetrachlorophenol	2014-12	ug/L																
2,3,4,6-Tetrachlorophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2,3,4,6-Tetrachlorophenol	2017-10	ug/L																



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2,3,4,6-Tetrachlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,3,4,6-Tetrachlorophenol	2018-07	ug/L										<10.4						
2,3,4,6-Tetrachlorophenol	2018-10	ug/L										<10.4						
2,3,4,6-Tetrachlorophenol	2019-05	ug/L																
2,3,4,6-Tetrachlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2				<10.4	<10.5		
2,3,4,6-Tetrachlorophenol	2021-12	ug/L																
2,3,4,6-Tetrachlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,3,4,6-Tetrachlorophenol	2024-04	ug/L										<10.6						
2,4,5-T	2009-03	ug/L						<0.2	<0.2	<0.2								
2,4,5-T	2009-06	ug/L					<0.21	<0.2	<0.2	<0.21	<0.22			<0.21				
2,4,5-T	2009-09	ug/L					<0.21	<0.20	<0.22	<0.21	<0.20			<0.21				
2,4,5-T	2009-12	ug/L					<0.20	<0.21	<0.21	<0.21	<0.21			<0.21				
2,4,5-T	2010-03	ug/L					<0.21	<0.21		<1.1	<0.21			<0.21				
2,4,5-T	2010-06	ug/L										<0.50						
2,4,5-T	2010-08	ug/L										<0.50	<0.50					
2,4,5-T	2010-09	ug/L					<0.52	<0.52	<0.52	<0.52	<0.54	<0.52	<0.51	<0.51				
2,4,5-T	2010-12	ug/L										<0.54						
2,4,5-T	2011-03	ug/L					<0.50	<0.50		<0.52	<0.53		<0.52	<0.52	<0.52			
2,4,5-T	2011-06	ug/L										<0.50		<0.50	<0.50	<0.50	<0.50	
2,4,5-T	2011-09	ug/L					<1.0	<1.0	<1.0	<1.0	<b>6.3</b>	<1.0		<1.0	<1.0	<1.0	<1.0	
2,4,5-T	2011-12	ug/L												<1.0	<1.0	<1.0	<1.0	
2,4,5-T	2012-03	ug/L									<1.0					<1.1	<1.0	
2,4,5-T	2012-10	ug/L									<1.0							
2,4,5-T	2013-03	ug/L									<1.04							
2,4,5-T	2013-09	ug/L									<1.09							
2,4,5-T	2014-03	ug/L									<1.04							
2,4,5-T	2014-09	ug/L					<1.09			<10.5	<1.07			<1.09				
2,4,5-T	2014-12	ug/L															<1.10	
2,4,5-T	2015-04	ug/L								<1.19								
2,4,5-T	2016-10	ug/L						<1.07	<10.7	<1.04					<1.11	<1.06		
2,4,5-T	2017-03	ug/L								<1.05								
2,4,5-T	2017-10	ug/L						<1.04		<1.02								
2,4,5-T	2017-12	ug/L					<1.02				<1.09							<1.05
2,4,5-T	2018-04	ug/L									<1.15							
2,4,5-T	2018-07	ug/L										<1.01						
2,4,5-T	2018-10	ug/L								<1.1		<1.05						
2,4,5-T	2019-03	ug/L								<1.04								
2,4,5-T	2019-05	ug/L																
2,4,5-T	2019-10	ug/L								<1.05								
2,4,5-T	2021-10	ug/L						<1.06	<10.4	<1.04					<1.04	<1.05		
2,4,5-T	2021-12	ug/L																
2,4,5-T	2022-10	ug/L					<0.5	<0.5				<0.5						<0.5
2,4,5-T	2023-04	ug/L								<0.177								
2,4,5-T	2024-04	ug/L										<0.157						
2,4,5-T	2024-05	ug/L										<0.157						
2,4,5-TP (Silvex)	2009-03	ug/L						<b>0.54</b>	<0.2	<b>1.1</b>								
2,4,5-TP (Silvex)	2009-06	ug/L					<0.21	<0.2	<0.2	<b>1.4</b>	<0.22			<0.21				
2,4,5-TP (Silvex)	2009-09	ug/L					<b>0.21</b>	<0.20	<0.22	<0.21	<b>1.0</b>			<b>1.3</b>				
2,4,5-TP (Silvex)	2009-12	ug/L					<0.20	<0.21	<0.21	<0.21	<0.21			<0.21				
2,4,5-TP (Silvex)	2010-03	ug/L					<0.21	<b>0.26</b>		<1.1	<0.21			<b>0.40</b>				
2,4,5-TP (Silvex)	2010-06	ug/L										<0.50						
2,4,5-TP (Silvex)	2010-08	ug/L										<0.50	<0.50					
2,4,5-TP (Silvex)	2010-09	ug/L					<0.52	<0.52	<0.52	<0.52	<0.54	<0.52	<0.51	<0.51				
2,4,5-TP (Silvex)	2010-12	ug/L										<0.54						
2,4,5-TP (Silvex)	2011-03	ug/L					<0.50	<0.50		<0.52	<0.53		<0.52	<0.52	<0.52			
2,4,5-TP (Silvex)	2011-06	ug/L										<0.50		<0.50	<0.50	<0.50	<0.50	
2,4,5-TP (Silvex)	2011-09	ug/L					<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	
2,4,5-TP (Silvex)	2011-12	ug/L												<1.0	<1.0	<1.0	<1.0	

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2,3,4,6-Tetrachlorophenol	2017-12	ug/L			<10.4													
2,3,4,6-Tetrachlorophenol	2018-07	ug/L								<10.1								
2,3,4,6-Tetrachlorophenol	2018-10	ug/L								<10.3								
2,3,4,6-Tetrachlorophenol	2019-05	ug/L		<10.1														
2,3,4,6-Tetrachlorophenol	2021-10	ug/L																
2,3,4,6-Tetrachlorophenol	2021-12	ug/L	<10.5															
2,3,4,6-Tetrachlorophenol	2022-10	ug/L			<8.77													
2,3,4,6-Tetrachlorophenol	2024-04	ug/L		<10.2														
2,4,5-T	2009-03	ug/L																
2,4,5-T	2009-06	ug/L																
2,4,5-T	2009-09	ug/L																
2,4,5-T	2009-12	ug/L																
2,4,5-T	2010-03	ug/L																
2,4,5-T	2010-06	ug/L																
2,4,5-T	2010-08	ug/L																
2,4,5-T	2010-09	ug/L																
2,4,5-T	2010-12	ug/L																
2,4,5-T	2011-03	ug/L																
2,4,5-T	2011-06	ug/L																
2,4,5-T	2011-09	ug/L																
2,4,5-T	2011-12	ug/L																
2,4,5-T	2012-03	ug/L																
2,4,5-T	2012-10	ug/L																
2,4,5-T	2013-03	ug/L									<1.14							
2,4,5-T	2013-09	ug/L									<1.11							
2,4,5-T	2014-03	ug/L									<1.13							
2,4,5-T	2014-09	ug/L									<1.06							
2,4,5-T	2014-12	ug/L																
2,4,5-T	2015-04	ug/L									<1.11							
2,4,5-T	2016-10	ug/L									<1.16					<1.07	<1.09	
2,4,5-T	2017-03	ug/L									<1.03					<1.03	<1.05	
2,4,5-T	2017-10	ug/L									<1.04					<1.04	<1.03	
2,4,5-T	2017-12	ug/L			<1.03													
2,4,5-T	2018-04	ug/L																
2,4,5-T	2018-07	ug/L								<1.04								
2,4,5-T	2018-10	ug/L								<1.06								
2,4,5-T	2019-03	ug/L																
2,4,5-T	2019-05	ug/L		<1.03														
2,4,5-T	2019-10	ug/L																
2,4,5-T	2021-10	ug/L																
2,4,5-T	2021-12	ug/L	<1.08															
2,4,5-T	2022-10	ug/L			<0.5													
2,4,5-T	2023-04	ug/L	<0.163															
2,4,5-T	2024-04	ug/L		<0.16														
2,4,5-T	2024-05	ug/L																
2,4,5-TP (Silvex)	2009-03	ug/L																
2,4,5-TP (Silvex)	2009-06	ug/L																
2,4,5-TP (Silvex)	2009-09	ug/L																
2,4,5-TP (Silvex)	2009-12	ug/L																
2,4,5-TP (Silvex)	2010-03	ug/L																
2,4,5-TP (Silvex)	2010-06	ug/L																
2,4,5-TP (Silvex)	2010-08	ug/L																
2,4,5-TP (Silvex)	2010-09	ug/L																
2,4,5-TP (Silvex)	2010-12	ug/L																
2,4,5-TP (Silvex)	2011-03	ug/L																
2,4,5-TP (Silvex)	2011-06	ug/L																
2,4,5-TP (Silvex)	2011-09	ug/L																
2,4,5-TP (Silvex)	2011-12	ug/L																

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2,4,5-TP (Silvex)	2012-03	ug/L					<1.0	<1.1		<1.0	<1.0			<1.0		<1.1	<1.0	
2,4,5-TP (Silvex)	2012-10	ug/L					<1.0	<1.0		<1.0	<1.0			<1.0				
2,4,5-TP (Silvex)	2013-03	ug/L					<1.04	<1.13		<1.05	<1.04			<1.05				
2,4,5-TP (Silvex)	2013-09	ug/L					<1.09			<1.05	<1.09			<1.04				
2,4,5-TP (Silvex)	2014-03	ug/L					<1.05			<1.06	<1.04			<1.07				
2,4,5-TP (Silvex)	2014-09	ug/L					<1.09			<10.5	<1.07			<1.09				
2,4,5-TP (Silvex)	2014-12	ug/L															<1.10	
2,4,5-TP (Silvex)	2015-04	ug/L					<1.04			<1.21	<1.19							
2,4,5-TP (Silvex)	2016-10	ug/L							<1.07	<10.7	<1.04					<1.11	<1.06	
2,4,5-TP (Silvex)	2017-03	ug/L								<10.1	<1.05							
2,4,5-TP (Silvex)	2017-10	ug/L						<1.04		<1.06	<1.02							
2,4,5-TP (Silvex)	2017-12	ug/L					<1.02					<1.09						<1.05
2,4,5-TP (Silvex)	2018-04	ug/L								<1.09	<1.15							
2,4,5-TP (Silvex)	2018-07	ug/L											<1.01					
2,4,5-TP (Silvex)	2018-10	ug/L								<10.5	<1.1		<1.05					
2,4,5-TP (Silvex)	2019-03	ug/L								<1.02	<1.04							
2,4,5-TP (Silvex)	2019-05	ug/L																
2,4,5-TP (Silvex)	2019-10	ug/L								<1.07	<b>2.03</b>							
2,4,5-TP (Silvex)	2020-03	ug/L									<1.03							
2,4,5-TP (Silvex)	2020-09	ug/L									<1.07							
2,4,5-TP (Silvex)	2021-03	ug/L									<b>2.11</b>							
2,4,5-TP (Silvex)	2021-10	ug/L							<1.06	<10.4	<b>1.68</b>					<1.04	<1.05	
2,4,5-TP (Silvex)	2021-12	ug/L																
2,4,5-TP (Silvex)	2022-02	ug/L									<b>0.145</b>							
2,4,5-TP (Silvex)	2022-04	ug/L									<b>1.73</b>							
2,4,5-TP (Silvex)	2022-10	ug/L					<0.5	<0.5			<0.5	<0.5						<0.5
2,4,5-TP (Silvex)	2023-04	ug/L									<b>0.0863</b>							
2,4,5-TP (Silvex)	2023-10	ug/L									<b>0.145</b>							
2,4,5-TP (Silvex)	2024-04	ug/L									<b>0.0511 J</b>		<b>0.0724</b>					
2,4,5-TP (Silvex)	2024-04	ug/L											<b>0.0724 e</b>					
2,4,5-TP (Silvex)	2024-05	ug/L											<0.0524					
2,4,5-TP (Silvex)	2024-09	ug/L																
2,4,5-Trichlorophenol	2009-03	ug/L																
2,4,5-Trichlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,4,5-Trichlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4,5-Trichlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4,5-Trichlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2,4,5-Trichlorophenol	2010-06	ug/L										<10.0						
2,4,5-Trichlorophenol	2010-08	ug/L										<10.0	<10.0					
2,4,5-Trichlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,4,5-Trichlorophenol	2010-12	ug/L										<10.0						
2,4,5-Trichlorophenol	2011-03	ug/L											<10.0		<10.0			
2,4,5-Trichlorophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2,4,5-Trichlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,4,5-Trichlorophenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2,4,5-Trichlorophenol	2012-03	ug/L													<10.0	<10.0	<10.0	
2,4,5-Trichlorophenol	2014-12	ug/L															<10.2	
2,4,5-Trichlorophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,4,5-Trichlorophenol	2017-10	ug/L						<10.5										
2,4,5-Trichlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,4,5-Trichlorophenol	2018-07	ug/L											<10.4					
2,4,5-Trichlorophenol	2018-10	ug/L											<10.4					
2,4,5-Trichlorophenol	2019-05	ug/L																
2,4,5-Trichlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,4,5-Trichlorophenol	2021-12	ug/L																
2,4,5-Trichlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,4,5-Trichlorophenol	2024-04	ug/L											<10.6					
2,4,6-Trichlorophenol	2009-03	ug/L						<10	<10	<10								

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2,4,5-TP (Silvex)	2012-03	ug/L																
2,4,5-TP (Silvex)	2012-10	ug/L																
2,4,5-TP (Silvex)	2013-03	ug/L																
2,4,5-TP (Silvex)	2013-09	ug/L									<1.14							
2,4,5-TP (Silvex)	2014-03	ug/L									<1.11							
2,4,5-TP (Silvex)	2014-09	ug/L									<1.13							
2,4,5-TP (Silvex)	2014-12	ug/L									<1.06							
2,4,5-TP (Silvex)	2015-04	ug/L									<1.11							
2,4,5-TP (Silvex)	2016-10	ug/L									<1.16							
2,4,5-TP (Silvex)	2017-03	ug/L									<1.03					<1.07	<1.09	
2,4,5-TP (Silvex)	2017-10	ug/L									<1.04					<1.03	<1.05	
2,4,5-TP (Silvex)	2017-12	ug/L														<1.04	<1.03	
2,4,5-TP (Silvex)	2018-04	ug/L																
2,4,5-TP (Silvex)	2018-07	ug/L									<1.04							
2,4,5-TP (Silvex)	2018-10	ug/L									<1.06							
2,4,5-TP (Silvex)	2019-03	ug/L																
2,4,5-TP (Silvex)	2019-05	ug/L																
2,4,5-TP (Silvex)	2019-10	ug/L																
2,4,5-TP (Silvex)	2020-03	ug/L																
2,4,5-TP (Silvex)	2020-09	ug/L																
2,4,5-TP (Silvex)	2021-03	ug/L																
2,4,5-TP (Silvex)	2021-10	ug/L																
2,4,5-TP (Silvex)	2021-12	ug/L																
2,4,5-TP (Silvex)	2021-12	ug/L	<1.08															
2,4,5-TP (Silvex)	2022-02	ug/L																
2,4,5-TP (Silvex)	2022-04	ug/L																
2,4,5-TP (Silvex)	2022-10	ug/L																
2,4,5-TP (Silvex)	2022-10	ug/L																
2,4,5-TP (Silvex)	2023-04	ug/L	<0.0544															
2,4,5-TP (Silvex)	2023-10	ug/L																
2,4,5-TP (Silvex)	2024-04	ug/L																
2,4,5-TP (Silvex)	2024-04	ug/L																
2,4,5-TP (Silvex)	2024-05	ug/L																
2,4,5-TP (Silvex)	2024-05	ug/L																
2,4,5-TP (Silvex)	2024-09	ug/L									<1.13	<0.996						
2,4,5-Trichlorophenol	2009-03	ug/L																
2,4,5-Trichlorophenol	2009-06	ug/L																
2,4,5-Trichlorophenol	2009-09	ug/L																
2,4,5-Trichlorophenol	2009-12	ug/L																
2,4,5-Trichlorophenol	2010-03	ug/L																
2,4,5-Trichlorophenol	2010-06	ug/L																
2,4,5-Trichlorophenol	2010-08	ug/L																
2,4,5-Trichlorophenol	2010-09	ug/L																
2,4,5-Trichlorophenol	2010-12	ug/L																
2,4,5-Trichlorophenol	2011-03	ug/L																
2,4,5-Trichlorophenol	2011-06	ug/L																
2,4,5-Trichlorophenol	2011-09	ug/L																
2,4,5-Trichlorophenol	2011-12	ug/L																
2,4,5-Trichlorophenol	2012-03	ug/L																
2,4,5-Trichlorophenol	2014-12	ug/L																
2,4,5-Trichlorophenol	2016-10	ug/L																
2,4,5-Trichlorophenol	2017-10	ug/L																
2,4,5-Trichlorophenol	2017-10	ug/L																
2,4,5-Trichlorophenol	2017-12	ug/L																
2,4,5-Trichlorophenol	2018-07	ug/L																
2,4,5-Trichlorophenol	2018-07	ug/L									<10.1							
2,4,5-Trichlorophenol	2018-10	ug/L									<10.3							
2,4,5-Trichlorophenol	2019-05	ug/L																
2,4,5-Trichlorophenol	2019-05	ug/L																
2,4,5-Trichlorophenol	2021-10	ug/L																
2,4,5-Trichlorophenol	2021-12	ug/L																
2,4,5-Trichlorophenol	2021-12	ug/L	<10.5															
2,4,5-Trichlorophenol	2022-10	ug/L																
2,4,5-Trichlorophenol	2022-10	ug/L																
2,4,5-Trichlorophenol	2022-10	ug/L																
2,4,5-Trichlorophenol	2024-04	ug/L																
2,4,5-Trichlorophenol	2024-04	ug/L																
2,4,6-Trichlorophenol	2009-03	ug/L																

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2,4,6-Trichlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,4,6-Trichlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4,6-Trichlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
2,4,6-Trichlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2,4,6-Trichlorophenol	2010-06	ug/L										<10.0						
2,4,6-Trichlorophenol	2010-08	ug/L										<10.0	<10.0					
2,4,6-Trichlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,4,6-Trichlorophenol	2010-12	ug/L										<10.0						
2,4,6-Trichlorophenol	2011-03	ug/L										<10.0		<10.0				
2,4,6-Trichlorophenol	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
2,4,6-Trichlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,4,6-Trichlorophenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2,4,6-Trichlorophenol	2012-03	ug/L													<10.0	<10.0	<10.0	
2,4,6-Trichlorophenol	2014-12	ug/L															<10.2	
2,4,6-Trichlorophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,4,6-Trichlorophenol	2017-10	ug/L						<10.5										
2,4,6-Trichlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,4,6-Trichlorophenol	2018-07	ug/L											<10.4					
2,4,6-Trichlorophenol	2018-10	ug/L										<10.4						
2,4,6-Trichlorophenol	2019-05	ug/L																
2,4,6-Trichlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,4,6-Trichlorophenol	2021-12	ug/L																
2,4,6-Trichlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,4,6-Trichlorophenol	2024-04	ug/L											<10.6					
2,4-D	2009-03	ug/L						<0.99	<0.99	<1								
2,4-D	2009-06	ug/L					<1.1	<1	<1	<1.1	<1.1			<1.0				
2,4-D	2009-09	ug/L					<1.0	<1.0	<1.1	<1.1	<1.0			<1.0				
2,4-D	2009-12	ug/L					<1.0	<1.1	<1.1	<1.1	<1.1			<1.0				
2,4-D	2010-03	ug/L					<1.0	<1.0		<5.3	<1.1			<1.0				
2,4-D	2010-06	ug/L										<1.0						
2,4-D	2010-08	ug/L										<1.0	<1.0					
2,4-D	2010-09	ug/L					<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0				
2,4-D	2010-12	ug/L										<1.1						
2,4-D	2011-03	ug/L					<1.0	<1.0		<1.0	<1.1		<1.0	<1.0	<1.0			
2,4-D	2011-06	ug/L										<1.0		<1.0	<1.0	<1.0	<1.0	
2,4-D	2011-09	ug/L					<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	
2,4-D	2011-12	ug/L												<1.0	<1.0	<1.0	<1.0	
2,4-D	2012-03	ug/L														<1.1	<1.0	
2,4-D	2014-12	ug/L															<1.10	
2,4-D	2016-10	ug/L							<1.07	<1.07	<1.04					<1.11	<1.06	
2,4-D	2017-10	ug/L						<1.04										
2,4-D	2017-12	ug/L					<1.02					<1.09						<1.05
2,4-D	2018-07	ug/L																
2,4-D	2018-10	ug/L											<1.05					
2,4-D	2019-05	ug/L																
2,4-D	2021-10	ug/L							<1.06	<10.4	<1.04					<1.04	<1.05	
2,4-D	2021-12	ug/L																
2,4-D	2022-02	ug/L																
2,4-D	2022-04	ug/L																
2,4-D	2022-07	ug/L																
2,4-D	2022-10	ug/L					<2	<2				<2						<2
2,4-D	2023-04	ug/L									<0.706							
2,4-D	2023-10	ug/L																
2,4-D	2024-04	ug/L											<0.627					
2,4-D	2024-09	ug/L																
2,4-Dichlorophenol	2009-03	ug/L						<10	<10	<10								
2,4-Dichlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,4-Dichlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

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2,4,6-Trichlorophenol	2009-06	ug/L																
2,4,6-Trichlorophenol	2009-09	ug/L																
2,4,6-Trichlorophenol	2009-12	ug/L																
2,4,6-Trichlorophenol	2010-03	ug/L																
2,4,6-Trichlorophenol	2010-06	ug/L																
2,4,6-Trichlorophenol	2010-08	ug/L																
2,4,6-Trichlorophenol	2010-09	ug/L																
2,4,6-Trichlorophenol	2010-12	ug/L																
2,4,6-Trichlorophenol	2011-03	ug/L																
2,4,6-Trichlorophenol	2011-06	ug/L																
2,4,6-Trichlorophenol	2011-09	ug/L																
2,4,6-Trichlorophenol	2011-12	ug/L																
2,4,6-Trichlorophenol	2012-03	ug/L																
2,4,6-Trichlorophenol	2014-12	ug/L																
2,4,6-Trichlorophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2,4,6-Trichlorophenol	2017-10	ug/L																
2,4,6-Trichlorophenol	2017-12	ug/L			<10.4													
2,4,6-Trichlorophenol	2018-07	ug/L								<10.1								
2,4,6-Trichlorophenol	2018-10	ug/L								<10.3								
2,4,6-Trichlorophenol	2019-05	ug/L		<10.1														
2,4,6-Trichlorophenol	2021-10	ug/L																
2,4,6-Trichlorophenol	2021-12	ug/L	<10.5															
2,4,6-Trichlorophenol	2022-10	ug/L			<8.77													
2,4,6-Trichlorophenol	2024-04	ug/L		<10.2														
2,4-D	2009-03	ug/L																
2,4-D	2009-06	ug/L																
2,4-D	2009-09	ug/L																
2,4-D	2009-12	ug/L																
2,4-D	2010-03	ug/L																
2,4-D	2010-06	ug/L																
2,4-D	2010-08	ug/L																
2,4-D	2010-09	ug/L																
2,4-D	2010-12	ug/L																
2,4-D	2011-03	ug/L																
2,4-D	2011-06	ug/L																
2,4-D	2011-09	ug/L																
2,4-D	2011-12	ug/L																
2,4-D	2012-03	ug/L																
2,4-D	2014-12	ug/L																
2,4-D	2016-10	ug/L									<1.16					<1.07	<1.09	
2,4-D	2017-10	ug/L																
2,4-D	2017-12	ug/L			<1.03													
2,4-D	2018-07	ug/L								<1.04								
2,4-D	2018-10	ug/L								<1.06								
2,4-D	2019-05	ug/L		<1.03														
2,4-D	2021-10	ug/L																
2,4-D	2021-12	ug/L	1.23															
2,4-D	2022-02	ug/L	<0.66															
2,4-D	2022-04	ug/L	<0.997															
2,4-D	2022-07	ug/L	<2															
2,4-D	2022-10	ug/L	<2		<2													
2,4-D	2023-04	ug/L	<0.652															
2,4-D	2023-10	ug/L	<0.597															
2,4-D	2024-04	ug/L	<0.635	<0.642														
2,4-D	2024-09	ug/L	<0.992							<1.13	<0.996							
2,4-Dichlorophenol	2009-03	ug/L																
2,4-Dichlorophenol	2009-06	ug/L																
2,4-Dichlorophenol	2009-09	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2,4-Dichlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4-Dichlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2,4-Dichlorophenol	2010-06	ug/L										<10.0						
2,4-Dichlorophenol	2010-08	ug/L										<10.0	<10.0					
2,4-Dichlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,4-Dichlorophenol	2010-12	ug/L										<10.0						
2,4-Dichlorophenol	2011-03	ug/L											<10.0		<10.0			
2,4-Dichlorophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2,4-Dichlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,4-Dichlorophenol	2011-12	ug/L													<10.0	<10.0	<10.0	
2,4-Dichlorophenol	2012-03	ug/L														<10.0	<10.0	
2,4-Dichlorophenol	2014-12	ug/L															<10.2	
2,4-Dichlorophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,4-Dichlorophenol	2017-10	ug/L						<10.5										
2,4-Dichlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,4-Dichlorophenol	2018-07	ug/L											<10.4					
2,4-Dichlorophenol	2018-10	ug/L											<10.4					
2,4-Dichlorophenol	2019-05	ug/L																
2,4-Dichlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,4-Dichlorophenol	2021-12	ug/L																
2,4-Dichlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,4-Dichlorophenol	2024-04	ug/L											<10.6					
2,4-Dimethylphenol	2009-03	ug/L																
2,4-Dimethylphenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,4-Dimethylphenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4-Dimethylphenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4-Dimethylphenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2,4-Dimethylphenol	2010-06	ug/L										<10.0						
2,4-Dimethylphenol	2010-08	ug/L										<10.0	<10.0					
2,4-Dimethylphenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,4-Dimethylphenol	2010-12	ug/L										<10.0						
2,4-Dimethylphenol	2011-03	ug/L											<10.0		<10.0			
2,4-Dimethylphenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2,4-Dimethylphenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,4-Dimethylphenol	2011-12	ug/L													<10.0	<10.0	<10.0	
2,4-Dimethylphenol	2012-03	ug/L														<10.0	<10.0	
2,4-Dimethylphenol	2014-12	ug/L															<10.2	
2,4-Dimethylphenol	2016-10	ug/L							<10	0.251 J	<10.9					<11.2	<11.1	
2,4-Dimethylphenol	2017-10	ug/L						0.481 J										
2,4-Dimethylphenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,4-Dimethylphenol	2018-07	ug/L											<10.4					
2,4-Dimethylphenol	2018-10	ug/L											<10.4					
2,4-Dimethylphenol	2019-05	ug/L																
2,4-Dimethylphenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,4-Dimethylphenol	2021-12	ug/L																
2,4-Dimethylphenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,4-Dimethylphenol	2024-04	ug/L											<10.6					
2,4-Dinitrophenol	2009-03	ug/L																
2,4-Dinitrophenol	2009-06	ug/L					<20.0	<20	<20	<20.0	<20			<20.0				
2,4-Dinitrophenol	2009-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0			<20.0				
2,4-Dinitrophenol	2009-12	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0			<20.0				
2,4-Dinitrophenol	2010-03	ug/L					<20.0				<20.0			<20.0				
2,4-Dinitrophenol	2010-06	ug/L										<20.0						
2,4-Dinitrophenol	2010-08	ug/L										<20.0	<20.0					
2,4-Dinitrophenol	2010-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0				
2,4-Dinitrophenol	2010-12	ug/L										<20.0						
2,4-Dinitrophenol	2011-03	ug/L											<20.0		<20.0			
2,4-Dinitrophenol	2011-06	ug/L											<20.0		<20.0	<20.0	<20.0	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2,4-Dichlorophenol	2009-12	ug/L																
2,4-Dichlorophenol	2010-03	ug/L																
2,4-Dichlorophenol	2010-06	ug/L																
2,4-Dichlorophenol	2010-08	ug/L																
2,4-Dichlorophenol	2010-09	ug/L																
2,4-Dichlorophenol	2010-12	ug/L																
2,4-Dichlorophenol	2011-03	ug/L																
2,4-Dichlorophenol	2011-06	ug/L																
2,4-Dichlorophenol	2011-09	ug/L																
2,4-Dichlorophenol	2011-12	ug/L																
2,4-Dichlorophenol	2012-03	ug/L																
2,4-Dichlorophenol	2014-12	ug/L																
2,4-Dichlorophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2,4-Dichlorophenol	2017-10	ug/L																
2,4-Dichlorophenol	2017-12	ug/L			<10.4													
2,4-Dichlorophenol	2018-07	ug/L								<10.1								
2,4-Dichlorophenol	2018-10	ug/L								<10.3								
2,4-Dichlorophenol	2019-05	ug/L		<10.1														
2,4-Dichlorophenol	2021-10	ug/L																
2,4-Dichlorophenol	2021-12	ug/L	<10.5															
2,4-Dichlorophenol	2022-10	ug/L			<8.77													
2,4-Dichlorophenol	2024-04	ug/L		<10.2														
2,4-Dimethylphenol	2009-03	ug/L																
2,4-Dimethylphenol	2009-06	ug/L																
2,4-Dimethylphenol	2009-09	ug/L																
2,4-Dimethylphenol	2009-12	ug/L																
2,4-Dimethylphenol	2010-03	ug/L																
2,4-Dimethylphenol	2010-06	ug/L																
2,4-Dimethylphenol	2010-08	ug/L																
2,4-Dimethylphenol	2010-09	ug/L																
2,4-Dimethylphenol	2010-12	ug/L																
2,4-Dimethylphenol	2011-03	ug/L																
2,4-Dimethylphenol	2011-06	ug/L																
2,4-Dimethylphenol	2011-09	ug/L																
2,4-Dimethylphenol	2011-12	ug/L																
2,4-Dimethylphenol	2012-03	ug/L																
2,4-Dimethylphenol	2014-12	ug/L																
2,4-Dimethylphenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2,4-Dimethylphenol	2017-10	ug/L																
2,4-Dimethylphenol	2017-12	ug/L			<10.4													
2,4-Dimethylphenol	2018-07	ug/L								<10.1								
2,4-Dimethylphenol	2018-10	ug/L								<10.3								
2,4-Dimethylphenol	2019-05	ug/L		<10.1														
2,4-Dimethylphenol	2021-10	ug/L																
2,4-Dimethylphenol	2021-12	ug/L	<10.5															
2,4-Dimethylphenol	2022-10	ug/L			<8.77													
2,4-Dimethylphenol	2024-04	ug/L		<10.2														
2,4-Dinitrophenol	2009-03	ug/L																
2,4-Dinitrophenol	2009-06	ug/L																
2,4-Dinitrophenol	2009-09	ug/L																
2,4-Dinitrophenol	2009-12	ug/L																
2,4-Dinitrophenol	2010-03	ug/L																
2,4-Dinitrophenol	2010-06	ug/L																
2,4-Dinitrophenol	2010-08	ug/L																
2,4-Dinitrophenol	2010-09	ug/L																
2,4-Dinitrophenol	2010-12	ug/L																
2,4-Dinitrophenol	2011-03	ug/L																
2,4-Dinitrophenol	2011-06	ug/L																



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2,4-Dinitrophenol	2011-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	
2,4-Dinitrophenol	2011-12	ug/L													<20.0	<20.0	<20.0	
2,4-Dinitrophenol	2012-03	ug/L														<20.0	<20.0	
2,4-Dinitrophenol	2014-12	ug/L															<20.4	
2,4-Dinitrophenol	2016-10	ug/L							<20	<20	<21.7					<22.5	<22.2	
2,4-Dinitrophenol	2017-10	ug/L						<21.1										
2,4-Dinitrophenol	2017-12	ug/L					<21.3				<20.8							<20.8
2,4-Dinitrophenol	2018-07	ug/L											<20.8					
2,4-Dinitrophenol	2018-10	ug/L											<20.8					
2,4-Dinitrophenol	2019-05	ug/L																
2,4-Dinitrophenol	2021-10	ug/L							<21.1	<21.1	<20.4					<20.8	<21.1	
2,4-Dinitrophenol	2021-12	ug/L																
2,4-Dinitrophenol	2022-10	ug/L					<16.9	<16.9				<16.9						<16.9
2,4-Dinitrophenol	2024-04	ug/L											<21.3					
2,4-Dinitrotoluene	2009-03	ug/L						<10	<10	<10	<10							
2,4-Dinitrotoluene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,4-Dinitrotoluene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4-Dinitrotoluene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,4-Dinitrotoluene	2010-03	ug/L					<10.0				<10.0			<10.0				
2,4-Dinitrotoluene	2010-06	ug/L										<10.0						
2,4-Dinitrotoluene	2010-08	ug/L										<10.0	<10.0					
2,4-Dinitrotoluene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,4-Dinitrotoluene	2010-12	ug/L										<10.0						
2,4-Dinitrotoluene	2011-03	ug/L											<10.0		<10.0			
2,4-Dinitrotoluene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2,4-Dinitrotoluene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,4-Dinitrotoluene	2011-12	ug/L													<10.0	<10.0	<10.0	
2,4-Dinitrotoluene	2012-03	ug/L														<10.0	<10.0	
2,4-Dinitrotoluene	2014-12	ug/L															<10.2	
2,4-Dinitrotoluene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,4-Dinitrotoluene	2017-10	ug/L						<10.5										
2,4-Dinitrotoluene	2017-12	ug/L					<10.6					<10.4						<10.4
2,4-Dinitrotoluene	2018-07	ug/L											<10.4					
2,4-Dinitrotoluene	2018-10	ug/L											<10.4					
2,4-Dinitrotoluene	2019-05	ug/L																
2,4-Dinitrotoluene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,4-Dinitrotoluene	2021-12	ug/L																
2,4-Dinitrotoluene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,4-Dinitrotoluene	2024-04	ug/L											<10.6					
2,6-Dichlorophenol	2009-03	ug/L						<10	<10	<10								
2,6-Dichlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,6-Dichlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,6-Dichlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,6-Dichlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2,6-Dichlorophenol	2010-06	ug/L										<10.0						
2,6-Dichlorophenol	2010-08	ug/L										<10.0	<10.0					
2,6-Dichlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,6-Dichlorophenol	2010-12	ug/L										<10.0						
2,6-Dichlorophenol	2011-03	ug/L											<10.0		<10.0			
2,6-Dichlorophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2,6-Dichlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,6-Dichlorophenol	2011-12	ug/L													<10.0	<10.0	<10.0	
2,6-Dichlorophenol	2012-03	ug/L														<10.0	<10.0	
2,6-Dichlorophenol	2014-12	ug/L															<10.2	
2,6-Dichlorophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,6-Dichlorophenol	2017-10	ug/L						<10.5										
2,6-Dichlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2,6-Dichlorophenol	2018-07	ug/L											<10.4					

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2,4-Dinitrophenol	2011-09	ug/L																
2,4-Dinitrophenol	2011-12	ug/L																
2,4-Dinitrophenol	2012-03	ug/L																
2,4-Dinitrophenol	2014-12	ug/L																
2,4-Dinitrophenol	2016-10	ug/L									<20.8					<20.6	<20.4	
2,4-Dinitrophenol	2017-10	ug/L																
2,4-Dinitrophenol	2017-12	ug/L			<20.8													
2,4-Dinitrophenol	2018-07	ug/L								<20.2								
2,4-Dinitrophenol	2018-10	ug/L								<20.6								
2,4-Dinitrophenol	2019-05	ug/L		<20.2														
2,4-Dinitrophenol	2021-10	ug/L																
2,4-Dinitrophenol	2021-12	ug/L	<21.1															
2,4-Dinitrophenol	2022-10	ug/L			<17.5													
2,4-Dinitrophenol	2024-04	ug/L		<20.4														
2,4-Dinitrotoluene	2009-03	ug/L																
2,4-Dinitrotoluene	2009-06	ug/L																
2,4-Dinitrotoluene	2009-09	ug/L																
2,4-Dinitrotoluene	2009-12	ug/L																
2,4-Dinitrotoluene	2010-03	ug/L																
2,4-Dinitrotoluene	2010-06	ug/L																
2,4-Dinitrotoluene	2010-08	ug/L																
2,4-Dinitrotoluene	2010-09	ug/L																
2,4-Dinitrotoluene	2010-12	ug/L																
2,4-Dinitrotoluene	2011-03	ug/L																
2,4-Dinitrotoluene	2011-06	ug/L																
2,4-Dinitrotoluene	2011-09	ug/L																
2,4-Dinitrotoluene	2011-12	ug/L																
2,4-Dinitrotoluene	2012-03	ug/L																
2,4-Dinitrotoluene	2014-12	ug/L																
2,4-Dinitrotoluene	2016-10	ug/L									<10.4					<10.3	<10.2	
2,4-Dinitrotoluene	2017-10	ug/L																
2,4-Dinitrotoluene	2017-12	ug/L			<10.4													
2,4-Dinitrotoluene	2018-07	ug/L								<10.1								
2,4-Dinitrotoluene	2018-10	ug/L								<10.3								
2,4-Dinitrotoluene	2019-05	ug/L		<10.1														
2,4-Dinitrotoluene	2021-10	ug/L																
2,4-Dinitrotoluene	2021-12	ug/L	<10.5															
2,4-Dinitrotoluene	2022-10	ug/L			<8.77													
2,4-Dinitrotoluene	2024-04	ug/L		<10.2														
2,6-Dichlorophenol	2009-03	ug/L																
2,6-Dichlorophenol	2009-06	ug/L																
2,6-Dichlorophenol	2009-09	ug/L																
2,6-Dichlorophenol	2009-12	ug/L																
2,6-Dichlorophenol	2010-03	ug/L																
2,6-Dichlorophenol	2010-06	ug/L																
2,6-Dichlorophenol	2010-08	ug/L																
2,6-Dichlorophenol	2010-09	ug/L																
2,6-Dichlorophenol	2010-12	ug/L																
2,6-Dichlorophenol	2011-03	ug/L																
2,6-Dichlorophenol	2011-06	ug/L																
2,6-Dichlorophenol	2011-09	ug/L																
2,6-Dichlorophenol	2011-12	ug/L																
2,6-Dichlorophenol	2012-03	ug/L																
2,6-Dichlorophenol	2014-12	ug/L																
2,6-Dichlorophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2,6-Dichlorophenol	2017-10	ug/L																
2,6-Dichlorophenol	2017-12	ug/L			<10.4													
2,6-Dichlorophenol	2018-07	ug/L								<10.1								

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**Table 19**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2,6-Dichlorophenol	2018-10	ug/L											<10.4					
2,6-Dichlorophenol	2019-05	ug/L																
2,6-Dichlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,6-Dichlorophenol	2021-12	ug/L																
2,6-Dichlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,6-Dichlorophenol	2024-04	ug/L											<10.6					
2,6-Dinitrotoluene	2009-03	ug/L						<10	<10	<10								
2,6-Dinitrotoluene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2,6-Dinitrotoluene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,6-Dinitrotoluene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2,6-Dinitrotoluene	2010-03	ug/L					<10.0				<10.0			<10.0				
2,6-Dinitrotoluene	2010-06	ug/L									<10.0							
2,6-Dinitrotoluene	2010-08	ug/L									<10.0	<10.0						
2,6-Dinitrotoluene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2,6-Dinitrotoluene	2010-12	ug/L									<10.0							
2,6-Dinitrotoluene	2011-03	ug/L										<10.0		<10.0				
2,6-Dinitrotoluene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
2,6-Dinitrotoluene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2,6-Dinitrotoluene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2,6-Dinitrotoluene	2012-03	ug/L													<10.0	<10.0	<10.0	
2,6-Dinitrotoluene	2014-12	ug/L															<10.2	
2,6-Dinitrotoluene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2,6-Dinitrotoluene	2017-10	ug/L						<10.5										
2,6-Dinitrotoluene	2017-12	ug/L					<10.6					<10.4						<10.4
2,6-Dinitrotoluene	2018-07	ug/L											<10.4					
2,6-Dinitrotoluene	2018-10	ug/L										<10.4						
2,6-Dinitrotoluene	2019-05	ug/L																
2,6-Dinitrotoluene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2,6-Dinitrotoluene	2021-12	ug/L																
2,6-Dinitrotoluene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2,6-Dinitrotoluene	2024-04	ug/L											<10.6					
2-Acetylaminofluorene	2009-03	ug/L						<10.0	<10	<10	<10.0	<10			<10.0			
2-Acetylaminofluorene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Acetylaminofluorene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Acetylaminofluorene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Acetylaminofluorene	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Acetylaminofluorene	2010-06	ug/L									<10.0							
2-Acetylaminofluorene	2010-08	ug/L									<10.0	<10.0						
2-Acetylaminofluorene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Acetylaminofluorene	2010-12	ug/L									<10.0							
2-Acetylaminofluorene	2011-03	ug/L										<10.0		<10.0				
2-Acetylaminofluorene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
2-Acetylaminofluorene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Acetylaminofluorene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2-Acetylaminofluorene	2012-03	ug/L													<10.0	<10.0	<10.0	
2-Acetylaminofluorene	2014-12	ug/L															<10.2	
2-Acetylaminofluorene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2-Acetylaminofluorene	2017-10	ug/L						<10.5										
2-Acetylaminofluorene	2017-12	ug/L					<10.6					<10.4						<10.4
2-Acetylaminofluorene	2018-07	ug/L											<10.4					
2-Acetylaminofluorene	2018-10	ug/L										<10.4						
2-Acetylaminofluorene	2019-05	ug/L																
2-Acetylaminofluorene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Acetylaminofluorene	2021-12	ug/L																
2-Acetylaminofluorene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Acetylaminofluorene	2024-04	ug/L											<10.6					
2-Butanone	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
2-Butanone	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2,6-Dichlorophenol	2018-10	ug/L								<10.3								
2,6-Dichlorophenol	2019-05	ug/L		<10.1														
2,6-Dichlorophenol	2021-10	ug/L																
2,6-Dichlorophenol	2021-12	ug/L	<10.5															
2,6-Dichlorophenol	2022-10	ug/L			<8.77													
2,6-Dichlorophenol	2024-04	ug/L		<10.2														
2,6-Dinitrotoluene	2009-03	ug/L																
2,6-Dinitrotoluene	2009-06	ug/L																
2,6-Dinitrotoluene	2009-09	ug/L																
2,6-Dinitrotoluene	2009-12	ug/L																
2,6-Dinitrotoluene	2010-03	ug/L																
2,6-Dinitrotoluene	2010-06	ug/L																
2,6-Dinitrotoluene	2010-08	ug/L																
2,6-Dinitrotoluene	2010-09	ug/L																
2,6-Dinitrotoluene	2010-12	ug/L																
2,6-Dinitrotoluene	2011-03	ug/L																
2,6-Dinitrotoluene	2011-06	ug/L																
2,6-Dinitrotoluene	2011-09	ug/L																
2,6-Dinitrotoluene	2011-12	ug/L																
2,6-Dinitrotoluene	2012-03	ug/L																
2,6-Dinitrotoluene	2014-12	ug/L																
2,6-Dinitrotoluene	2016-10	ug/L									<10.4					<10.3	<10.2	
2,6-Dinitrotoluene	2017-10	ug/L																
2,6-Dinitrotoluene	2017-12	ug/L			<10.4													
2,6-Dinitrotoluene	2018-07	ug/L								<10.1								
2,6-Dinitrotoluene	2018-10	ug/L								<10.3								
2,6-Dinitrotoluene	2019-05	ug/L		<10.1														
2,6-Dinitrotoluene	2021-10	ug/L																
2,6-Dinitrotoluene	2021-12	ug/L	<10.5															
2,6-Dinitrotoluene	2022-10	ug/L			<8.77													
2,6-Dinitrotoluene	2024-04	ug/L		<10.2														
2-Acetylaminofluorene	2009-03	ug/L																
2-Acetylaminofluorene	2009-06	ug/L																
2-Acetylaminofluorene	2009-09	ug/L																
2-Acetylaminofluorene	2009-12	ug/L																
2-Acetylaminofluorene	2010-03	ug/L																
2-Acetylaminofluorene	2010-06	ug/L																
2-Acetylaminofluorene	2010-08	ug/L																
2-Acetylaminofluorene	2010-09	ug/L																
2-Acetylaminofluorene	2010-12	ug/L																
2-Acetylaminofluorene	2011-03	ug/L																
2-Acetylaminofluorene	2011-06	ug/L																
2-Acetylaminofluorene	2011-09	ug/L																
2-Acetylaminofluorene	2011-12	ug/L																
2-Acetylaminofluorene	2012-03	ug/L																
2-Acetylaminofluorene	2014-12	ug/L																
2-Acetylaminofluorene	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Acetylaminofluorene	2017-10	ug/L																
2-Acetylaminofluorene	2017-12	ug/L			<10.4													
2-Acetylaminofluorene	2018-07	ug/L								<10.1								
2-Acetylaminofluorene	2018-10	ug/L								<10.3								
2-Acetylaminofluorene	2019-05	ug/L		<10.1														
2-Acetylaminofluorene	2021-10	ug/L																
2-Acetylaminofluorene	2021-12	ug/L	<10.5															
2-Acetylaminofluorene	2022-10	ug/L			<8.77													
2-Acetylaminofluorene	2024-04	ug/L		<10.2														
2-Butanone	2008-01	ug/L																
2-Butanone	2008-03	ug/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
2-Butanone	2008-08	ug/L					<10	<10	<10	1.22	<10	<10	<10	<10	<10			
2-Butanone	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
2-Butanone	2008-10	ug/L					<10	<10	<10	2.16	<10	<10	<10	<10	<10			
2-Butanone	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
2-Butanone	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
2-Butanone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Butanone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0				
2-Butanone	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Butanone	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
2-Butanone	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
2-Butanone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
2-Butanone	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
2-Butanone	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
2-Butanone	2011-07	ug/L	<10.0															
2-Butanone	2011-08	ug/L		<10.0														
2-Butanone	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2011-12	ug/L	<10.0	<10.0											<10.0	<10.0	<10.0	
2-Butanone	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2012-06	ug/L																
2-Butanone	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2013-06	ug/L																
2-Butanone	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2013-11	ug/L																
2-Butanone	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone	2014-06	ug/L																
2-Butanone	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
2-Butanone	2014-12	ug/L															<10.0	
2-Butanone	2015-04	ug/L	3.30	<10			<10	<10.0	<10	<10	<10.0	0.472			<10.0	<10	12.4	
2-Butanone	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10			<10	<10	<10	
2-Butanone	2016-04	ug/L	<10	<10			<10	<10	<10	<10	1.94 J	<10	<10	<10	<10	<10	<10	
2-Butanone	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
2-Butanone	2017-03	ug/L	2.69 J	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Butanone	2017-10	ug/L	3.38 J	<10			<10	<10	<10	2.1 J	<10	<10	<10			<10	<10	<10
2-Butanone	2017-12	ug/L					<10					<10						<10
2-Butanone	2018-04	ug/L	2.39 J	<10	<10		<10	<10	1.13 J	<10	1.73 J	<10	<10			<10	<10	<10
2-Butanone	2018-07	ug/L										<10						
2-Butanone	2018-10	ug/L	2.37 J	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Butanone	2019-01	ug/L																
2-Butanone	2019-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2019-05	ug/L																
2-Butanone	2019-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2020-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2020-09	ug/L	<10	<10			<10	<10	<10	2.76 J	<10	<10	<10			<10	<10	<10
2-Butanone	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2021-05	ug/L																
2-Butanone	2021-08	ug/L																
2-Butanone	2021-10	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2021-12	ug/L																
2-Butanone	2022-02	ug/L	<10		<10	<10												
2-Butanone	2022-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	3.85 J			<10	<10	<10
2-Butanone	2022-07	ug/L			<10	<10												
2-Butanone	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
2-Butanone	2023-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Butanone	2023-05	ug/L			<10													
2-Butanone	2023-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Butanone	2008-08	ug/L																
2-Butanone	2008-09	ug/L																
2-Butanone	2008-10	ug/L																
2-Butanone	2009-03	ug/L																
2-Butanone	2009-06	ug/L																
2-Butanone	2009-09	ug/L																
2-Butanone	2009-12	ug/L																
2-Butanone	2010-03	ug/L																
2-Butanone	2010-06	ug/L	<10.0	<10.0														
2-Butanone	2010-08	ug/L	<10.0	<10.0														
2-Butanone	2010-09	ug/L	<10.0	<10.0														
2-Butanone	2010-12	ug/L	<10.0	<10.0														
2-Butanone	2011-03	ug/L	<10.0	<10.0														
2-Butanone	2011-04	ug/L																
2-Butanone	2011-06	ug/L																
2-Butanone	2011-07	ug/L																
2-Butanone	2011-08	ug/L																
2-Butanone	2011-09	ug/L	<10.0	<10.0														
2-Butanone	2011-12	ug/L																
2-Butanone	2012-03	ug/L	<10.0	<10.0														
2-Butanone	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
2-Butanone	2012-10	ug/L																
2-Butanone	2013-03	ug/L	<10.0								<10.0							
2-Butanone	2013-06	ug/L			<10.0													
2-Butanone	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
2-Butanone	2013-11	ug/L			<10.0													
2-Butanone	2014-03	ug/L	<10.0		<10.0						<10.0							
2-Butanone	2014-06	ug/L		<10.0	<10.0													
2-Butanone	2014-09	ug/L	<10	<10	<10						<10							
2-Butanone	2014-12	ug/L																
2-Butanone	2015-04	ug/L	< 10.0	< 10.0	< 10.0						< 10							
2-Butanone	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2017-03	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2017-10	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2017-12	ug/L			<10													
2-Butanone	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
2-Butanone	2018-07	ug/L								4.61-Je								
2-Butanone	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Butanone	2019-01	ug/L								<10								
2-Butanone	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Butanone	2019-05	ug/L		<10						<10								
2-Butanone	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Butanone	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Butanone	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Butanone	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
2-Butanone	2021-05	ug/L	<10															
2-Butanone	2021-08	ug/L						<10	<10									
2-Butanone	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Butanone	2021-12	ug/L	<10															
2-Butanone	2022-02	ug/L						<10	<10									
2-Butanone	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Butanone	2022-07	ug/L																
2-Butanone	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Butanone	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Butanone	2023-05	ug/L																
2-Butanone	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
2-Butanone	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Butanone	2024-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10
2-Chloronaphthalene	2009-03	ug/L						<10	<10	<10								
2-Chloronaphthalene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Chloronaphthalene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Chloronaphthalene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Chloronaphthalene	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Chloronaphthalene	2010-06	ug/L										<10.0						
2-Chloronaphthalene	2010-08	ug/L										<10.0	<10.0					
2-Chloronaphthalene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Chloronaphthalene	2010-12	ug/L										<10.0						
2-Chloronaphthalene	2011-03	ug/L											<10.0		<10.0			
2-Chloronaphthalene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Chloronaphthalene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Chloronaphthalene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2-Chloronaphthalene	2012-03	ug/L														<10.0	<10.0	
2-Chloronaphthalene	2014-12	ug/L															<10.2	
2-Chloronaphthalene	2016-10	ug/L							<10	<10	<10.9					0.539 J	<11.1	
2-Chloronaphthalene	2017-10	ug/L						<10.5										
2-Chloronaphthalene	2017-12	ug/L					<10.6					<10.4						<10.4
2-Chloronaphthalene	2018-07	ug/L											<10.4					
2-Chloronaphthalene	2018-10	ug/L											<10.4					
2-Chloronaphthalene	2019-05	ug/L																
2-Chloronaphthalene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Chloronaphthalene	2021-12	ug/L																
2-Chloronaphthalene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Chloronaphthalene	2024-04	ug/L											<10.6					
2-Chlorophenol	2009-03	ug/L						<10	<10	<10								
2-Chlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Chlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Chlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Chlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Chlorophenol	2010-06	ug/L										<10.0						
2-Chlorophenol	2010-08	ug/L										<10.0	<10.0					
2-Chlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Chlorophenol	2010-12	ug/L										<10.0						
2-Chlorophenol	2011-03	ug/L											<10.0		<10.0			
2-Chlorophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Chlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Chlorophenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
2-Chlorophenol	2012-03	ug/L														<10.0	<10.0	
2-Chlorophenol	2014-12	ug/L															<10.2	
2-Chlorophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2-Chlorophenol	2017-10	ug/L						<10.5										
2-Chlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
2-Chlorophenol	2018-07	ug/L											<10.4					
2-Chlorophenol	2018-10	ug/L											<10.4					
2-Chlorophenol	2019-05	ug/L																
2-Chlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Chlorophenol	2021-12	ug/L																
2-Chlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Chlorophenol	2024-04	ug/L											<10.6					
2-Hexanone	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
2-Hexanone	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Hexanone	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
2-Hexanone	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
2-Hexanone	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
2-Hexanone	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Butanone	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Butanone	2024-09	ug/L	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloronaphthalene	2009-03	ug/L																
2-Chloronaphthalene	2009-06	ug/L																
2-Chloronaphthalene	2009-09	ug/L																
2-Chloronaphthalene	2009-12	ug/L																
2-Chloronaphthalene	2010-03	ug/L																
2-Chloronaphthalene	2010-06	ug/L																
2-Chloronaphthalene	2010-08	ug/L																
2-Chloronaphthalene	2010-09	ug/L																
2-Chloronaphthalene	2010-12	ug/L																
2-Chloronaphthalene	2011-03	ug/L																
2-Chloronaphthalene	2011-06	ug/L																
2-Chloronaphthalene	2011-09	ug/L																
2-Chloronaphthalene	2011-12	ug/L																
2-Chloronaphthalene	2012-03	ug/L																
2-Chloronaphthalene	2014-12	ug/L																
2-Chloronaphthalene	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Chloronaphthalene	2017-10	ug/L																
2-Chloronaphthalene	2017-12	ug/L			<10.4													
2-Chloronaphthalene	2018-07	ug/L								<10.1								
2-Chloronaphthalene	2018-10	ug/L								<10.3								
2-Chloronaphthalene	2019-05	ug/L		<10.1														
2-Chloronaphthalene	2021-10	ug/L																
2-Chloronaphthalene	2021-12	ug/L	<10.5															
2-Chloronaphthalene	2022-10	ug/L			<8.77													
2-Chloronaphthalene	2024-04	ug/L		<10.2														
2-Chlorophenol	2009-03	ug/L																
2-Chlorophenol	2009-06	ug/L																
2-Chlorophenol	2009-09	ug/L																
2-Chlorophenol	2009-12	ug/L																
2-Chlorophenol	2010-03	ug/L																
2-Chlorophenol	2010-06	ug/L																
2-Chlorophenol	2010-08	ug/L																
2-Chlorophenol	2010-09	ug/L																
2-Chlorophenol	2010-12	ug/L																
2-Chlorophenol	2011-03	ug/L																
2-Chlorophenol	2011-06	ug/L																
2-Chlorophenol	2011-09	ug/L																
2-Chlorophenol	2011-12	ug/L																
2-Chlorophenol	2012-03	ug/L																
2-Chlorophenol	2014-12	ug/L																
2-Chlorophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Chlorophenol	2017-10	ug/L																
2-Chlorophenol	2017-12	ug/L			<10.4													
2-Chlorophenol	2018-07	ug/L								<10.1								
2-Chlorophenol	2018-10	ug/L								<10.3								
2-Chlorophenol	2019-05	ug/L		<10.1														
2-Chlorophenol	2021-10	ug/L																
2-Chlorophenol	2021-12	ug/L	<10.5															
2-Chlorophenol	2022-10	ug/L			<8.77													
2-Chlorophenol	2024-04	ug/L		<10.2														
2-Hexanone	2008-01	ug/L																
2-Hexanone	2008-03	ug/L																
2-Hexanone	2008-08	ug/L																
2-Hexanone	2008-09	ug/L																
2-Hexanone	2008-10	ug/L																
2-Hexanone	2009-03	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2-Hexanone	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
2-Hexanone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Hexanone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Hexanone	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
2-Hexanone	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
2-Hexanone	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
2-Hexanone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
2-Hexanone	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
2-Hexanone	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
2-Hexanone	2011-07	ug/L	<10.0															
2-Hexanone	2011-08	ug/L		<10.0														
2-Hexanone	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2011-12	ug/L	<10.0	<10.0											<10.0	<10.0	<10.0	
2-Hexanone	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2012-06	ug/L																
2-Hexanone	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2013-06	ug/L																
2-Hexanone	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2013-11	ug/L																
2-Hexanone	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	2014-06	ug/L																
2-Hexanone	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
2-Hexanone	2014-12	ug/L															<10.0	
2-Hexanone	2015-04	ug/L	<10.0	<10			<10	<10.0	<10	<10	<10	<10.0	<10.0			<10.0	<10	<b>2.02</b>
2-Hexanone	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2017-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2017-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2017-12	ug/L					<10											<10
2-Hexanone	2018-04	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2018-07	ug/L											<10					
2-Hexanone	2018-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2019-01	ug/L																
2-Hexanone	2019-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2019-05	ug/L																
2-Hexanone	2019-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2020-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2020-09	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2021-05	ug/L																
2-Hexanone	2021-08	ug/L																
2-Hexanone	2021-10	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2021-12	ug/L																
2-Hexanone	2022-02	ug/L	<10		<10	<10												
2-Hexanone	2022-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2022-07	ug/L	<10		<10	<10												
2-Hexanone	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2023-04	ug/L	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2023-05	ug/L			<10													
2-Hexanone	2023-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	2024-09	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
2-Methylnaphthalene	2009-03	ug/L						<10	<10	<10								
2-Methylnaphthalene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Hexanone	2009-06	ug/L																
2-Hexanone	2009-09	ug/L																
2-Hexanone	2009-12	ug/L																
2-Hexanone	2010-03	ug/L																
2-Hexanone	2010-06	ug/L	<10.0	<10.0														
2-Hexanone	2010-08	ug/L	<10.0	<10.0														
2-Hexanone	2010-09	ug/L	<10.0	<10.0														
2-Hexanone	2010-12	ug/L	<10.0	<10.0														
2-Hexanone	2011-03	ug/L	<10.0	<10.0														
2-Hexanone	2011-04	ug/L																
2-Hexanone	2011-06	ug/L																
2-Hexanone	2011-07	ug/L																
2-Hexanone	2011-08	ug/L																
2-Hexanone	2011-09	ug/L	<10.0	<10.0														
2-Hexanone	2011-12	ug/L																
2-Hexanone	2012-03	ug/L	<10.0	<10.0														
2-Hexanone	2012-06	ug/L								<10.0	<10.0		<10.0		<10.0	<10.0		
2-Hexanone	2012-10	ug/L																
2-Hexanone	2013-03	ug/L	<10.0							<10.0								
2-Hexanone	2013-06	ug/L			<10.0													
2-Hexanone	2013-09	ug/L	<10.0	<10.0	<10.0					<10.0								
2-Hexanone	2013-11	ug/L			<10.0													
2-Hexanone	2014-03	ug/L	<10.0		<10.0					<10.0								
2-Hexanone	2014-06	ug/L		<10.0	<10.0													
2-Hexanone	2014-09	ug/L	<10	<10	<10					<10								
2-Hexanone	2014-12	ug/L																
2-Hexanone	2015-04	ug/L	< 10.0	< 10.0	< 10.0					< 10								
2-Hexanone	2015-10	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2016-04	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2016-10	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2017-03	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2017-10	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2017-12	ug/L			<10													
2-Hexanone	2018-04	ug/L	<10	<10	<10					<10						<10	<10	
2-Hexanone	2018-07	ug/L								<10								
2-Hexanone	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Hexanone	2019-01	ug/L								<10								
2-Hexanone	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Hexanone	2019-05	ug/L		<10						<10								
2-Hexanone	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Hexanone	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Hexanone	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
2-Hexanone	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
2-Hexanone	2021-05	ug/L	<10															
2-Hexanone	2021-08	ug/L						<10	<10									
2-Hexanone	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2021-12	ug/L	<10															
2-Hexanone	2022-02	ug/L						<10	<10									
2-Hexanone	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2022-07	ug/L																
2-Hexanone	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2023-05	ug/L																
2-Hexanone	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
2-Hexanone	2024-09	ug/L	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylnaphthalene	2009-03	ug/L																
2-Methylnaphthalene	2009-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2-Methylnaphthalene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Methylnaphthalene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Methylnaphthalene	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Methylnaphthalene	2010-06	ug/L										<10.0						
2-Methylnaphthalene	2010-08	ug/L										<10.0	<10.0					
2-Methylnaphthalene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Methylnaphthalene	2010-12	ug/L										<10.0						
2-Methylnaphthalene	2011-03	ug/L											<10.0		<10.0			
2-Methylnaphthalene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Methylnaphthalene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Methylnaphthalene	2011-12	ug/L													<10.0	<10.0	<10.0	
2-Methylnaphthalene	2012-03	ug/L														<10.0	<10.0	
2-Methylnaphthalene	2014-12	ug/L															<10.0	
2-Methylnaphthalene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2-Methylnaphthalene	2017-10	ug/L							<10.5									
2-Methylnaphthalene	2017-12	ug/L					<10.6					<10.4						<10.4
2-Methylnaphthalene	2018-07	ug/L											<10.4					
2-Methylnaphthalene	2018-10	ug/L											<10.4					
2-Methylnaphthalene	2019-05	ug/L																
2-Methylnaphthalene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Methylnaphthalene	2021-12	ug/L																
2-Methylnaphthalene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Methylnaphthalene	2024-04	ug/L											<10.6					
2-Methylphenol	2009-03	ug/L							<10	<10	<10							
2-Methylphenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Methylphenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Methylphenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Methylphenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Methylphenol	2010-06	ug/L										<10.0						
2-Methylphenol	2010-08	ug/L										<10.0	<10.0					
2-Methylphenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Methylphenol	2010-12	ug/L										<10.0						
2-Methylphenol	2011-03	ug/L											<10.0		<10.0			
2-Methylphenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Methylphenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Methylphenol	2011-12	ug/L													<10.0	<10.0	<10.0	
2-Methylphenol	2012-03	ug/L														<10.0	<10.0	
2-Methylphenol	2014-12	ug/L															<10.0	
2-Methylphenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
2-Methylphenol	2017-10	ug/L							<10.5									
2-Methylphenol	2017-12	ug/L					<10.6					<10.4						<10.4
2-Methylphenol	2018-07	ug/L											<10.4					
2-Methylphenol	2018-10	ug/L											<10.4					
2-Methylphenol	2019-05	ug/L																
2-Methylphenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Methylphenol	2021-12	ug/L																
2-Methylphenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Methylphenol	2024-04	ug/L											<10.6					
2-Naphthylamine	2009-03	ug/L							<10	<10	<10							
2-Naphthylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Naphthylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Naphthylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Naphthylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Naphthylamine	2010-06	ug/L										<10.0						
2-Naphthylamine	2010-08	ug/L										<10.0	<10.0					
2-Naphthylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Naphthylamine	2010-12	ug/L										<10.0						
2-Naphthylamine	2011-03	ug/L											<10.0		<10.0			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Methylnaphthalene	2009-09	ug/L																
2-Methylnaphthalene	2009-12	ug/L																
2-Methylnaphthalene	2010-03	ug/L																
2-Methylnaphthalene	2010-06	ug/L																
2-Methylnaphthalene	2010-08	ug/L																
2-Methylnaphthalene	2010-09	ug/L																
2-Methylnaphthalene	2010-12	ug/L																
2-Methylnaphthalene	2011-03	ug/L																
2-Methylnaphthalene	2011-06	ug/L																
2-Methylnaphthalene	2011-09	ug/L																
2-Methylnaphthalene	2011-12	ug/L																
2-Methylnaphthalene	2012-03	ug/L																
2-Methylnaphthalene	2014-12	ug/L																
2-Methylnaphthalene	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Methylnaphthalene	2017-10	ug/L																
2-Methylnaphthalene	2017-12	ug/L			<10.4													
2-Methylnaphthalene	2018-07	ug/L								<10.1								
2-Methylnaphthalene	2018-10	ug/L								<10.3								
2-Methylnaphthalene	2019-05	ug/L		<10.1														
2-Methylnaphthalene	2021-10	ug/L																
2-Methylnaphthalene	2021-12	ug/L	<10.5															
2-Methylnaphthalene	2022-10	ug/L			<8.77													
2-Methylnaphthalene	2024-04	ug/L		<10.2														
2-Methylphenol	2009-03	ug/L																
2-Methylphenol	2009-06	ug/L																
2-Methylphenol	2009-09	ug/L																
2-Methylphenol	2009-12	ug/L																
2-Methylphenol	2010-03	ug/L																
2-Methylphenol	2010-06	ug/L																
2-Methylphenol	2010-08	ug/L																
2-Methylphenol	2010-09	ug/L																
2-Methylphenol	2010-12	ug/L																
2-Methylphenol	2011-03	ug/L																
2-Methylphenol	2011-06	ug/L																
2-Methylphenol	2011-09	ug/L																
2-Methylphenol	2011-12	ug/L																
2-Methylphenol	2012-03	ug/L																
2-Methylphenol	2014-12	ug/L																
2-Methylphenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Methylphenol	2017-10	ug/L																
2-Methylphenol	2017-12	ug/L			<10.4													
2-Methylphenol	2018-07	ug/L								<10.1								
2-Methylphenol	2018-10	ug/L								<10.3								
2-Methylphenol	2019-05	ug/L		<10.1														
2-Methylphenol	2021-10	ug/L																
2-Methylphenol	2021-12	ug/L	<10.5															
2-Methylphenol	2022-10	ug/L			<8.77													
2-Methylphenol	2024-04	ug/L		<10.2														
2-Naphthylamine	2009-03	ug/L																
2-Naphthylamine	2009-06	ug/L																
2-Naphthylamine	2009-09	ug/L																
2-Naphthylamine	2009-12	ug/L																
2-Naphthylamine	2010-03	ug/L																
2-Naphthylamine	2010-06	ug/L																
2-Naphthylamine	2010-08	ug/L																
2-Naphthylamine	2010-09	ug/L																
2-Naphthylamine	2010-12	ug/L																
2-Naphthylamine	2011-03	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2-Naphthylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Naphthylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Naphthylamine	2011-12	ug/L													<10.0	<10.0	<10.0	
2-Naphthylamine	2012-03	ug/L														<10.0	<10.0	
2-Naphthylamine	2014-12	ug/L															<10.2	
2-Naphthylamine	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
2-Naphthylamine	2017-10	ug/L						<10.5										
2-Naphthylamine	2017-12	ug/L					<10.6					<10.4						<10.4
2-Naphthylamine	2018-07	ug/L											<10.4					
2-Naphthylamine	2018-10	ug/L											<10.4					
2-Naphthylamine	2019-05	ug/L																
2-Naphthylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Naphthylamine	2021-12	ug/L																
2-Naphthylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Naphthylamine	2024-04	ug/L											<10.6					
2-Nitroaniline	2009-03	ug/L						<10	<10	<10								
2-Nitroaniline	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Nitroaniline	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Nitroaniline	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Nitroaniline	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Nitroaniline	2010-06	ug/L										<10.0						
2-Nitroaniline	2010-08	ug/L										<10.0	<10.0					
2-Nitroaniline	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Nitroaniline	2010-12	ug/L										<10.0						
2-Nitroaniline	2011-03	ug/L											<10.0		<10.0			
2-Nitroaniline	2011-06	ug/L										<10.0			<10.0	<10.0	<10.0	
2-Nitroaniline	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Nitroaniline	2011-12	ug/L													<10.0	<10.0	<10.0	
2-Nitroaniline	2012-03	ug/L													<10.0	<10.0	<10.0	
2-Nitroaniline	2014-12	ug/L															<10.2	
2-Nitroaniline	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
2-Nitroaniline	2017-10	ug/L						<10.5										
2-Nitroaniline	2017-12	ug/L					<10.6					<10.4						<10.4
2-Nitroaniline	2018-07	ug/L											<10.4					
2-Nitroaniline	2018-10	ug/L											<10.4					
2-Nitroaniline	2019-05	ug/L																
2-Nitroaniline	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Nitroaniline	2021-12	ug/L																
2-Nitroaniline	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Nitroaniline	2024-04	ug/L											<10.6					
2-Nitrophenol	2009-03	ug/L						<10	<10	<10								
2-Nitrophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
2-Nitrophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Nitrophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
2-Nitrophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
2-Nitrophenol	2010-06	ug/L										<10.0						
2-Nitrophenol	2010-08	ug/L										<10.0	<10.0					
2-Nitrophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
2-Nitrophenol	2010-12	ug/L										<10.0						
2-Nitrophenol	2011-03	ug/L											<10.0		<10.0			
2-Nitrophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
2-Nitrophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
2-Nitrophenol	2011-12	ug/L													<10.0	<10.0	<10.0	
2-Nitrophenol	2012-03	ug/L													<10.0	<10.0	<10.0	
2-Nitrophenol	2014-12	ug/L															<10.2	
2-Nitrophenol	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
2-Nitrophenol	2017-10	ug/L						<10.5										
2-Nitrophenol	2017-12	ug/L					<10.6					<10.4						<10.4

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Naphthylamine	2011-06	ug/L																
2-Naphthylamine	2011-09	ug/L																
2-Naphthylamine	2011-12	ug/L																
2-Naphthylamine	2012-03	ug/L																
2-Naphthylamine	2014-12	ug/L																
2-Naphthylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Naphthylamine	2017-10	ug/L																
2-Naphthylamine	2017-12	ug/L			<10.4													
2-Naphthylamine	2018-07	ug/L								<10.1								
2-Naphthylamine	2018-10	ug/L								<10.3								
2-Naphthylamine	2019-05	ug/L		<10.1														
2-Naphthylamine	2021-10	ug/L																
2-Naphthylamine	2021-12	ug/L	<10.5															
2-Naphthylamine	2022-10	ug/L			<8.77													
2-Naphthylamine	2024-04	ug/L		<10.2														
2-Nitroaniline	2009-03	ug/L																
2-Nitroaniline	2009-06	ug/L																
2-Nitroaniline	2009-09	ug/L																
2-Nitroaniline	2009-12	ug/L																
2-Nitroaniline	2010-03	ug/L																
2-Nitroaniline	2010-06	ug/L																
2-Nitroaniline	2010-08	ug/L																
2-Nitroaniline	2010-09	ug/L																
2-Nitroaniline	2010-12	ug/L																
2-Nitroaniline	2011-03	ug/L																
2-Nitroaniline	2011-06	ug/L																
2-Nitroaniline	2011-09	ug/L																
2-Nitroaniline	2011-12	ug/L																
2-Nitroaniline	2012-03	ug/L																
2-Nitroaniline	2014-12	ug/L																
2-Nitroaniline	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Nitroaniline	2017-10	ug/L																
2-Nitroaniline	2017-12	ug/L			<10.4													
2-Nitroaniline	2018-07	ug/L								<10.1								
2-Nitroaniline	2018-10	ug/L								<10.3								
2-Nitroaniline	2019-05	ug/L		<10.1														
2-Nitroaniline	2021-10	ug/L																
2-Nitroaniline	2021-12	ug/L	<10.5															
2-Nitroaniline	2022-10	ug/L			<8.77													
2-Nitroaniline	2024-04	ug/L		<10.2														
2-Nitrophenol	2009-03	ug/L																
2-Nitrophenol	2009-06	ug/L																
2-Nitrophenol	2009-09	ug/L																
2-Nitrophenol	2009-12	ug/L																
2-Nitrophenol	2010-03	ug/L																
2-Nitrophenol	2010-06	ug/L																
2-Nitrophenol	2010-08	ug/L																
2-Nitrophenol	2010-09	ug/L																
2-Nitrophenol	2010-12	ug/L																
2-Nitrophenol	2011-03	ug/L																
2-Nitrophenol	2011-06	ug/L																
2-Nitrophenol	2011-09	ug/L																
2-Nitrophenol	2011-12	ug/L																
2-Nitrophenol	2012-03	ug/L																
2-Nitrophenol	2014-12	ug/L																
2-Nitrophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
2-Nitrophenol	2017-10	ug/L																
2-Nitrophenol	2017-12	ug/L			<10.4													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
2-Nitrophenol	2018-07	ug/L											<10.4					
2-Nitrophenol	2018-10	ug/L											<10.4					
2-Nitrophenol	2019-05	ug/L																
2-Nitrophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
2-Nitrophenol	2021-12	ug/L																
2-Nitrophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
2-Nitrophenol	2024-04	ug/L											<10.6					
3,3-Dichlorobenzidine	2009-03	ug/L						<85	<85	<85								
3,3-Dichlorobenzidine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
3,3-Dichlorobenzidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3,3-Dichlorobenzidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3,3-Dichlorobenzidine	2010-03	ug/L					<10.0				<10.0			<10.0				
3,3-Dichlorobenzidine	2010-06	ug/L										<10.0						
3,3-Dichlorobenzidine	2010-08	ug/L										<10.0	<10.0					
3,3-Dichlorobenzidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
3,3-Dichlorobenzidine	2010-12	ug/L										<10.0						
3,3-Dichlorobenzidine	2011-03	ug/L											<10.0		<10.0			
3,3-Dichlorobenzidine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
3,3-Dichlorobenzidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
3,3-Dichlorobenzidine	2011-12	ug/L												<10.0		<10.0	<10.0	
3,3-Dichlorobenzidine	2012-03	ug/L														<10.0	<10.0	
3,3-Dichlorobenzidine	2014-12	ug/L																<51.0
3,3-Dichlorobenzidine	2016-10	ug/L							<50	<50	<54.3					<56.2	<55.6	
3,3-Dichlorobenzidine	2017-10	ug/L						<52.6										
3,3-Dichlorobenzidine	2017-12	ug/L					<53.2					<52.1						<52.1
3,3-Dichlorobenzidine	2018-07	ug/L											<10.4					
3,3-Dichlorobenzidine	2018-10	ug/L											<10.4					
3,3-Dichlorobenzidine	2019-05	ug/L																
3,3-Dichlorobenzidine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
3,3-Dichlorobenzidine	2021-12	ug/L																
3,3-Dichlorobenzidine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
3,3-Dichlorobenzidine	2024-04	ug/L											<10.6					
3,3-Dimethylbenzidine	2009-03	ug/L																
3,3-Dimethylbenzidine	2009-06	ug/L					<20.0	<20	<20	<20.0	<20			<20.0				
3,3-Dimethylbenzidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3,3-Dimethylbenzidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3,3-Dimethylbenzidine	2010-03	ug/L					<10.0				<10.0			<10.0				
3,3-Dimethylbenzidine	2010-06	ug/L										<10.0						
3,3-Dimethylbenzidine	2010-08	ug/L										<10.0	<10.0					
3,3-Dimethylbenzidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
3,3-Dimethylbenzidine	2010-12	ug/L										<10.0						
3,3-Dimethylbenzidine	2011-03	ug/L											<10.0		<10.0			
3,3-Dimethylbenzidine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
3,3-Dimethylbenzidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
3,3-Dimethylbenzidine	2011-12	ug/L												<10.0		<10.0	<10.0	
3,3-Dimethylbenzidine	2012-03	ug/L														<10.0	<10.0	
3,3-Dimethylbenzidine	2014-12	ug/L																<10.2
3,3-Dimethylbenzidine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
3,3-Dimethylbenzidine	2017-10	ug/L						<10.5										
3,3-Dimethylbenzidine	2017-12	ug/L					<10.6					<10.4						<10.4
3,3-Dimethylbenzidine	2018-07	ug/L											<10.4					
3,3-Dimethylbenzidine	2018-10	ug/L											<10.4					
3,3-Dimethylbenzidine	2019-05	ug/L																
3,3-Dimethylbenzidine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
3,3-Dimethylbenzidine	2021-12	ug/L																
3,3-Dimethylbenzidine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
3,3-Dimethylbenzidine	2024-04	ug/L											<10.6					
3-Methylcholanthrene	2009-03	ug/L						<10	<10	<10								

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
2-Nitrophenol	2018-07	ug/L								<10.1								
2-Nitrophenol	2018-10	ug/L								<10.3								
2-Nitrophenol	2019-05	ug/L		<10.1														
2-Nitrophenol	2021-10	ug/L																
2-Nitrophenol	2021-12	ug/L	<10.5															
2-Nitrophenol	2022-10	ug/L			<8.77													
2-Nitrophenol	2024-04	ug/L		<10.2														
3,3-Dichlorobenzidine	2009-03	ug/L																
3,3-Dichlorobenzidine	2009-06	ug/L																
3,3-Dichlorobenzidine	2009-09	ug/L																
3,3-Dichlorobenzidine	2009-12	ug/L																
3,3-Dichlorobenzidine	2010-03	ug/L																
3,3-Dichlorobenzidine	2010-06	ug/L																
3,3-Dichlorobenzidine	2010-08	ug/L																
3,3-Dichlorobenzidine	2010-09	ug/L																
3,3-Dichlorobenzidine	2010-12	ug/L																
3,3-Dichlorobenzidine	2011-03	ug/L																
3,3-Dichlorobenzidine	2011-06	ug/L																
3,3-Dichlorobenzidine	2011-09	ug/L																
3,3-Dichlorobenzidine	2011-12	ug/L																
3,3-Dichlorobenzidine	2012-03	ug/L																
3,3-Dichlorobenzidine	2014-12	ug/L																
3,3-Dichlorobenzidine	2016-10	ug/L									<52.1					<51.5	<51	
3,3-Dichlorobenzidine	2017-10	ug/L																
3,3-Dichlorobenzidine	2017-12	ug/L			<52.1													
3,3-Dichlorobenzidine	2018-07	ug/L								<10.1								
3,3-Dichlorobenzidine	2018-10	ug/L								<10.3								
3,3-Dichlorobenzidine	2019-05	ug/L		<10.1														
3,3-Dichlorobenzidine	2021-10	ug/L																
3,3-Dichlorobenzidine	2021-12	ug/L	<10.5															
3,3-Dichlorobenzidine	2022-10	ug/L			<8.77													
3,3-Dichlorobenzidine	2024-04	ug/L		<10.2														
3,3-Dimethylbenzidine	2009-03	ug/L																
3,3-Dimethylbenzidine	2009-06	ug/L																
3,3-Dimethylbenzidine	2009-09	ug/L																
3,3-Dimethylbenzidine	2009-12	ug/L																
3,3-Dimethylbenzidine	2010-03	ug/L																
3,3-Dimethylbenzidine	2010-06	ug/L																
3,3-Dimethylbenzidine	2010-08	ug/L																
3,3-Dimethylbenzidine	2010-09	ug/L																
3,3-Dimethylbenzidine	2010-12	ug/L																
3,3-Dimethylbenzidine	2011-03	ug/L																
3,3-Dimethylbenzidine	2011-06	ug/L																
3,3-Dimethylbenzidine	2011-09	ug/L																
3,3-Dimethylbenzidine	2011-12	ug/L																
3,3-Dimethylbenzidine	2012-03	ug/L																
3,3-Dimethylbenzidine	2014-12	ug/L																
3,3-Dimethylbenzidine	2016-10	ug/L									<10.4					<10.3	<10.2	
3,3-Dimethylbenzidine	2017-10	ug/L																
3,3-Dimethylbenzidine	2017-12	ug/L			<10.4													
3,3-Dimethylbenzidine	2018-07	ug/L								<10.1								
3,3-Dimethylbenzidine	2018-10	ug/L								<10.3								
3,3-Dimethylbenzidine	2019-05	ug/L		<10.1														
3,3-Dimethylbenzidine	2021-10	ug/L																
3,3-Dimethylbenzidine	2021-12	ug/L	<10.5															
3,3-Dimethylbenzidine	2022-10	ug/L			<8.77													
3,3-Dimethylbenzidine	2024-04	ug/L		<10.2														
3-Methylcholanthrene	2009-03	ug/L																



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**Table 19**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
3-Methylcholanthrene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
3-Methylcholanthrene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3-Methylcholanthrene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
3-Methylcholanthrene	2010-03	ug/L					<10.0				<10.0			<10.0				
3-Methylcholanthrene	2010-06	ug/L										<10.0						
3-Methylcholanthrene	2010-08	ug/L										<10.0	<10.0					
3-Methylcholanthrene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
3-Methylcholanthrene	2010-12	ug/L										<10.0						
3-Methylcholanthrene	2011-03	ug/L											<10.0		<10.0			
3-Methylcholanthrene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
3-Methylcholanthrene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
3-Methylcholanthrene	2011-12	ug/L													<10.0	<10.0	<10.0	
3-Methylcholanthrene	2012-03	ug/L														<10.0	<10.0	
3-Methylcholanthrene	2014-12	ug/L															<10.2	
3-Methylcholanthrene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
3-Methylcholanthrene	2017-10	ug/L						<10.5										
3-Methylcholanthrene	2017-12	ug/L					<10.6					<10.4						<10.4
3-Methylcholanthrene	2018-07	ug/L											<10.4					
3-Methylcholanthrene	2018-10	ug/L											<10.4					
3-Methylcholanthrene	2019-05	ug/L																
3-Methylcholanthrene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
3-Methylcholanthrene	2021-12	ug/L																
3-Methylcholanthrene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
3-Methylcholanthrene	2024-04	ug/L											<10.6					
3-Nitroaniline	2009-03	ug/L																
3-Nitroaniline	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
3-Nitroaniline	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3-Nitroaniline	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
3-Nitroaniline	2010-03	ug/L					<10.0				<10.0			<10.0				
3-Nitroaniline	2010-06	ug/L										<10.0						
3-Nitroaniline	2010-08	ug/L										<10.0	<10.0					
3-Nitroaniline	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
3-Nitroaniline	2010-12	ug/L										<10.0						
3-Nitroaniline	2011-03	ug/L											<10.0		<10.0			
3-Nitroaniline	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
3-Nitroaniline	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
3-Nitroaniline	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
3-Nitroaniline	2012-03	ug/L														<10.0	<10.0	
3-Nitroaniline	2014-12	ug/L															<10.2	
3-Nitroaniline	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
3-Nitroaniline	2017-10	ug/L						<10.5										
3-Nitroaniline	2017-12	ug/L					<10.6					<10.4						<10.4
3-Nitroaniline	2018-07	ug/L											<10.4					
3-Nitroaniline	2018-10	ug/L											<10.4					
3-Nitroaniline	2019-05	ug/L																
3-Nitroaniline	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
3-Nitroaniline	2021-12	ug/L																
3-Nitroaniline	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
3-Nitroaniline	2024-04	ug/L											<10.6					
4,4'-DDD	2009-03	ug/L						<0.032	<0.032	<0.032								
4,4'-DDD	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
4,4'-DDD	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDD	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDD	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
4,4'-DDD	2010-06	ug/L										<0.0320						
4,4'-DDD	2010-08	ug/L										<0.0320	<0.0320					
4,4'-DDD	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
4,4'-DDD	2010-12	ug/L										<0.0320						

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
3-Methylcholanthrene	2009-06	ug/L																
3-Methylcholanthrene	2009-09	ug/L																
3-Methylcholanthrene	2009-12	ug/L																
3-Methylcholanthrene	2010-03	ug/L																
3-Methylcholanthrene	2010-06	ug/L																
3-Methylcholanthrene	2010-08	ug/L																
3-Methylcholanthrene	2010-09	ug/L																
3-Methylcholanthrene	2010-12	ug/L																
3-Methylcholanthrene	2011-03	ug/L																
3-Methylcholanthrene	2011-06	ug/L																
3-Methylcholanthrene	2011-09	ug/L																
3-Methylcholanthrene	2011-12	ug/L																
3-Methylcholanthrene	2012-03	ug/L																
3-Methylcholanthrene	2014-12	ug/L																
3-Methylcholanthrene	2016-10	ug/L									<10.4					<10.3	<10.2	
3-Methylcholanthrene	2017-10	ug/L																
3-Methylcholanthrene	2017-12	ug/L			<10.4													
3-Methylcholanthrene	2018-07	ug/L								<10.1								
3-Methylcholanthrene	2018-10	ug/L								<10.3								
3-Methylcholanthrene	2019-05	ug/L		<10.1														
3-Methylcholanthrene	2021-10	ug/L																
3-Methylcholanthrene	2021-12	ug/L	<10.5															
3-Methylcholanthrene	2022-10	ug/L			<8.77													
3-Methylcholanthrene	2024-04	ug/L		<10.2														
3-Nitroaniline	2009-03	ug/L																
3-Nitroaniline	2009-06	ug/L																
3-Nitroaniline	2009-09	ug/L																
3-Nitroaniline	2009-12	ug/L																
3-Nitroaniline	2010-03	ug/L																
3-Nitroaniline	2010-06	ug/L																
3-Nitroaniline	2010-08	ug/L																
3-Nitroaniline	2010-09	ug/L																
3-Nitroaniline	2010-12	ug/L																
3-Nitroaniline	2011-03	ug/L																
3-Nitroaniline	2011-06	ug/L																
3-Nitroaniline	2011-09	ug/L																
3-Nitroaniline	2011-12	ug/L																
3-Nitroaniline	2012-03	ug/L																
3-Nitroaniline	2014-12	ug/L																
3-Nitroaniline	2016-10	ug/L									<10.4					<10.3	<10.2	
3-Nitroaniline	2017-10	ug/L																
3-Nitroaniline	2017-12	ug/L			<10.4													
3-Nitroaniline	2018-07	ug/L								<10.1								
3-Nitroaniline	2018-10	ug/L								<10.3								
3-Nitroaniline	2019-05	ug/L		<10.1														
3-Nitroaniline	2021-10	ug/L																
3-Nitroaniline	2021-12	ug/L	<10.5															
3-Nitroaniline	2022-10	ug/L			<8.77													
3-Nitroaniline	2024-04	ug/L		<10.2														
4,4'-DDD	2009-03	ug/L																
4,4'-DDD	2009-06	ug/L																
4,4'-DDD	2009-09	ug/L																
4,4'-DDD	2009-12	ug/L																
4,4'-DDD	2010-03	ug/L																
4,4'-DDD	2010-06	ug/L																
4,4'-DDD	2010-08	ug/L																
4,4'-DDD	2010-09	ug/L																
4,4'-DDD	2010-12	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4,4'-DDD	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
4,4'-DDD	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
4,4'-DDD	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
4,4'-DDD	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
4,4'-DDD	2012-03	ug/L														<0.0320	<0.0320	
4,4'-DDD	2014-12	ug/L															<0.0352	
4,4'-DDD	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
4,4'-DDD	2017-10	ug/L							<b>0.0112 J</b>									
4,4'-DDD	2017-12	ug/L					<0.0333					<0.0333						<0.0333
4,4'-DDD	2018-07	ug/L											<b>0.0044 J</b>					
4,4'-DDD	2018-10	ug/L											<0.033					
4,4'-DDD	2019-05	ug/L																
4,4'-DDD	2021-10	ug/L							<0.0337	<0.0337	<0.0337				<0.0337	<0.0337		
4,4'-DDD	2021-12	ug/L																
4,4'-DDD	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
4,4'-DDD	2023-04	ug/L									<0.064							
4,4'-DDD	2024-04	ug/L											<0.064					
4,4'-DDE	2009-03	ug/L						<0.032	<0.032	<0.032								
4,4'-DDE	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
4,4'-DDE	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDE	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDE	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
4,4'-DDE	2010-06	ug/L										<0.0320						
4,4'-DDE	2010-08	ug/L										<0.0320	<0.0320					
4,4'-DDE	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
4,4'-DDE	2010-12	ug/L										<0.0320						
4,4'-DDE	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
4,4'-DDE	2011-06	ug/L											<0.0320	<0.0320	<0.0320	<0.0392	<0.0320	
4,4'-DDE	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
4,4'-DDE	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
4,4'-DDE	2012-03	ug/L														<0.0320	<0.0320	
4,4'-DDE	2014-12	ug/L															<0.0352	
4,4'-DDE	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
4,4'-DDE	2017-10	ug/L						<0.0333										
4,4'-DDE	2017-12	ug/L					<b>0.0024 J</b>					<0.0333						<0.0333
4,4'-DDE	2018-07	ug/L											<b>0.00533 J</b>					
4,4'-DDE	2018-10	ug/L											<b>0.00364 J</b>					
4,4'-DDE	2019-05	ug/L																
4,4'-DDE	2021-10	ug/L							<0.0337	<0.0337	<0.0337				<0.0337	<0.0337		
4,4'-DDE	2021-12	ug/L																
4,4'-DDE	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
4,4'-DDE	2023-04	ug/L									<0.064							
4,4'-DDE	2024-04	ug/L											<0.064					
4,4'-DDT	2009-03	ug/L						<0.032	<0.032	<0.032								
4,4'-DDT	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
4,4'-DDT	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDT	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
4,4'-DDT	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
4,4'-DDT	2010-06	ug/L										<0.0320						
4,4'-DDT	2010-08	ug/L										<0.0320	<0.0320					
4,4'-DDT	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
4,4'-DDT	2010-12	ug/L										<0.0320						
4,4'-DDT	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
4,4'-DDT	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
4,4'-DDT	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
4,4'-DDT	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
4,4'-DDT	2012-03	ug/L														<0.0320	<0.0320	
4,4'-DDT	2014-12	ug/L															<0.0352	

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4,4'-DDD	2011-03	ug/L																
4,4'-DDD	2011-06	ug/L																
4,4'-DDD	2011-09	ug/L																
4,4'-DDD	2011-12	ug/L																
4,4'-DDD	2012-03	ug/L																
4,4'-DDD	2014-12	ug/L																
4,4'-DDD	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
4,4'-DDD	2017-10	ug/L																
4,4'-DDD	2017-12	ug/L			<0.0333													
4,4'-DDD	2018-07	ug/L								<0.0323								
4,4'-DDD	2018-10	ug/L								<0.033								
4,4'-DDD	2019-05	ug/L		<0.0327														
4,4'-DDD	2021-10	ug/L																
4,4'-DDD	2021-12	ug/L	<0.0337															
4,4'-DDD	2022-10	ug/L			<0.0542													
4,4'-DDD	2023-04	ug/L	<0.064															
4,4'-DDD	2024-04	ug/L		<0.064														
4,4'-DDE	2009-03	ug/L																
4,4'-DDE	2009-06	ug/L																
4,4'-DDE	2009-09	ug/L																
4,4'-DDE	2009-12	ug/L																
4,4'-DDE	2010-03	ug/L																
4,4'-DDE	2010-06	ug/L																
4,4'-DDE	2010-08	ug/L																
4,4'-DDE	2010-09	ug/L																
4,4'-DDE	2010-12	ug/L																
4,4'-DDE	2011-03	ug/L																
4,4'-DDE	2011-06	ug/L																
4,4'-DDE	2011-09	ug/L																
4,4'-DDE	2011-12	ug/L																
4,4'-DDE	2012-03	ug/L																
4,4'-DDE	2014-12	ug/L																
4,4'-DDE	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
4,4'-DDE	2017-10	ug/L																
4,4'-DDE	2017-12	ug/L			<0.0333													
4,4'-DDE	2018-07	ug/L								<0.0323								
4,4'-DDE	2018-10	ug/L								<0.033								
4,4'-DDE	2019-05	ug/L		<0.0327														
4,4'-DDE	2021-10	ug/L																
4,4'-DDE	2021-12	ug/L	<0.0337															
4,4'-DDE	2022-10	ug/L			<0.0542													
4,4'-DDE	2023-04	ug/L	<0.064															
4,4'-DDE	2024-04	ug/L		<0.064														
4,4'-DDT	2009-03	ug/L																
4,4'-DDT	2009-06	ug/L																
4,4'-DDT	2009-09	ug/L																
4,4'-DDT	2009-12	ug/L																
4,4'-DDT	2010-03	ug/L																
4,4'-DDT	2010-06	ug/L																
4,4'-DDT	2010-08	ug/L																
4,4'-DDT	2010-09	ug/L																
4,4'-DDT	2010-12	ug/L																
4,4'-DDT	2011-03	ug/L																
4,4'-DDT	2011-06	ug/L																
4,4'-DDT	2011-09	ug/L																
4,4'-DDT	2011-12	ug/L																
4,4'-DDT	2012-03	ug/L																
4,4'-DDT	2014-12	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4,4'-DDT	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
4,4'-DDT	2017-10	ug/L						0.0117 J										
4,4'-DDT	2017-12	ug/L					<0.0333					0.0137 J						<0.0333
4,4'-DDT	2018-07	ug/L											0.018 J					
4,4'-DDT	2018-10	ug/L											0.00901 J					
4,4'-DDT	2019-05	ug/L																
4,4'-DDT	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
4,4'-DDT	2021-12	ug/L																
4,4'-DDT	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
4,4'-DDT	2023-04	ug/L									<0.064							
4,4'-DDT	2023-06	ug/L																
4,4'-DDT	2024-04	ug/L											<0.064					
4,6-Dinitro-2-methylphenol	2009-03	ug/L						<10	<10	<10								
4,6-Dinitro-2-methylphenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4,6-Dinitro-2-methylphenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4,6-Dinitro-2-methylphenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4,6-Dinitro-2-methylphenol	2010-03	ug/L					<10.0				<10.0			<10.0				
4,6-Dinitro-2-methylphenol	2010-06	ug/L										<10.0						
4,6-Dinitro-2-methylphenol	2010-08	ug/L										<10.0	<10.0					
4,6-Dinitro-2-methylphenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4,6-Dinitro-2-methylphenol	2010-12	ug/L										<10.0						
4,6-Dinitro-2-methylphenol	2011-03	ug/L											<10.0		<10.0			
4,6-Dinitro-2-methylphenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4,6-Dinitro-2-methylphenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4,6-Dinitro-2-methylphenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
4,6-Dinitro-2-methylphenol	2012-03	ug/L													<10.0	<10.0	<10.0	
4,6-Dinitro-2-methylphenol	2014-12	ug/L														<10.2	<10.2	
4,6-Dinitro-2-methylphenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
4,6-Dinitro-2-methylphenol	2017-10	ug/L						<10.5										
4,6-Dinitro-2-methylphenol	2017-12	ug/L					<10.6					<10.4						<10.4
4,6-Dinitro-2-methylphenol	2018-07	ug/L											<10.4					
4,6-Dinitro-2-methylphenol	2018-10	ug/L											<10.4					
4,6-Dinitro-2-methylphenol	2019-05	ug/L																
4,6-Dinitro-2-methylphenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
4,6-Dinitro-2-methylphenol	2021-12	ug/L																
4,6-Dinitro-2-methylphenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4,6-Dinitro-2-methylphenol	2024-04	ug/L											<10.6					
4-Aminobiphenyl	2009-03	ug/L						<20	<20	<20								
4-Aminobiphenyl	2009-06	ug/L					<20.0	<20	<20	<20.0	<20			<20.0				
4-Aminobiphenyl	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Aminobiphenyl	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Aminobiphenyl	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Aminobiphenyl	2010-06	ug/L										<10.0						
4-Aminobiphenyl	2010-08	ug/L										<10.0	<10.0					
4-Aminobiphenyl	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Aminobiphenyl	2010-12	ug/L										<10.0						
4-Aminobiphenyl	2011-03	ug/L											<10.0		<10.0			
4-Aminobiphenyl	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Aminobiphenyl	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4-Aminobiphenyl	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
4-Aminobiphenyl	2012-03	ug/L													<10.0	<10.0	<10.0	
4-Aminobiphenyl	2014-12	ug/L															<10.2	
4-Aminobiphenyl	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
4-Aminobiphenyl	2017-10	ug/L						<10.5										
4-Aminobiphenyl	2017-12	ug/L					<10.6					<10.4						<10.4
4-Aminobiphenyl	2018-07	ug/L											<10.4					
4-Aminobiphenyl	2018-10	ug/L											<10.4					
4-Aminobiphenyl	2019-05	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
4,4'-DDT	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
4,4'-DDT	2017-10	ug/L																
4,4'-DDT	2017-12	ug/L			<0.0333													
4,4'-DDT	2018-07	ug/L								<0.0323								
4,4'-DDT	2018-10	ug/L								<0.033								
4,4'-DDT	2019-05	ug/L		<0.0327														
4,4'-DDT	2021-10	ug/L																
4,4'-DDT	2021-12	ug/L	<0.0337															
4,4'-DDT	2022-10	ug/L			<0.0542													
4,4'-DDT	2023-04	ug/L	0.11															
4,4'-DDT	2023-06	ug/L	<0.064															
4,4'-DDT	2024-04	ug/L		<0.064														
4,6-Dinitro-2-methylphenol	2009-03	ug/L																
4,6-Dinitro-2-methylphenol	2009-06	ug/L																
4,6-Dinitro-2-methylphenol	2009-09	ug/L																
4,6-Dinitro-2-methylphenol	2009-12	ug/L																
4,6-Dinitro-2-methylphenol	2010-03	ug/L																
4,6-Dinitro-2-methylphenol	2010-06	ug/L																
4,6-Dinitro-2-methylphenol	2010-08	ug/L																
4,6-Dinitro-2-methylphenol	2010-09	ug/L																
4,6-Dinitro-2-methylphenol	2010-12	ug/L																
4,6-Dinitro-2-methylphenol	2011-03	ug/L																
4,6-Dinitro-2-methylphenol	2011-06	ug/L																
4,6-Dinitro-2-methylphenol	2011-09	ug/L																
4,6-Dinitro-2-methylphenol	2011-12	ug/L																
4,6-Dinitro-2-methylphenol	2012-03	ug/L																
4,6-Dinitro-2-methylphenol	2014-12	ug/L																
4,6-Dinitro-2-methylphenol	2016-10	ug/L									<10.4					<10.3	<10.2	
4,6-Dinitro-2-methylphenol	2017-10	ug/L																
4,6-Dinitro-2-methylphenol	2017-12	ug/L			<10.4													
4,6-Dinitro-2-methylphenol	2018-07	ug/L								<10.1								
4,6-Dinitro-2-methylphenol	2018-10	ug/L								<10.3								
4,6-Dinitro-2-methylphenol	2019-05	ug/L		<10.1														
4,6-Dinitro-2-methylphenol	2021-10	ug/L																
4,6-Dinitro-2-methylphenol	2021-12	ug/L	<10.5															
4,6-Dinitro-2-methylphenol	2022-10	ug/L			<8.77													
4,6-Dinitro-2-methylphenol	2024-04	ug/L		<10.2														
4-Aminobiphenyl	2009-03	ug/L																
4-Aminobiphenyl	2009-06	ug/L																
4-Aminobiphenyl	2009-09	ug/L																
4-Aminobiphenyl	2009-12	ug/L																
4-Aminobiphenyl	2010-03	ug/L																
4-Aminobiphenyl	2010-06	ug/L																
4-Aminobiphenyl	2010-08	ug/L																
4-Aminobiphenyl	2010-09	ug/L																
4-Aminobiphenyl	2010-12	ug/L																
4-Aminobiphenyl	2011-03	ug/L																
4-Aminobiphenyl	2011-06	ug/L																
4-Aminobiphenyl	2011-09	ug/L																
4-Aminobiphenyl	2011-12	ug/L																
4-Aminobiphenyl	2012-03	ug/L																
4-Aminobiphenyl	2014-12	ug/L																
4-Aminobiphenyl	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Aminobiphenyl	2017-10	ug/L																
4-Aminobiphenyl	2017-12	ug/L			<10.4													
4-Aminobiphenyl	2018-07	ug/L								<10.1								
4-Aminobiphenyl	2018-10	ug/L								<10.3								
4-Aminobiphenyl	2019-05	ug/L		<10.1														

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4-Aminobiphenyl	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
4-Aminobiphenyl	2021-12	ug/L																
4-Aminobiphenyl	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Aminobiphenyl	2024-04	ug/L											<10.6					
4-Bromophenyl Phenyl Ether	2009-03	ug/L						<10	<10	<10								
4-Bromophenyl Phenyl Ether	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Bromophenyl Phenyl Ether	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Bromophenyl Phenyl Ether	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Bromophenyl Phenyl Ether	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Bromophenyl Phenyl Ether	2010-06	ug/L										<10.0						
4-Bromophenyl Phenyl Ether	2010-08	ug/L										<10.0	<10.0					
4-Bromophenyl Phenyl Ether	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Bromophenyl Phenyl Ether	2010-12	ug/L										<10.0						
4-Bromophenyl Phenyl Ether	2011-03	ug/L											<10.0		<10.0			
4-Bromophenyl Phenyl Ether	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Bromophenyl Phenyl Ether	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4-Bromophenyl Phenyl Ether	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
4-Bromophenyl Phenyl Ether	2012-03	ug/L														<10.0	<10.0	
4-Bromophenyl Phenyl Ether	2014-12	ug/L															<10.2	
4-Bromophenyl Phenyl Ether	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
4-Bromophenyl Phenyl Ether	2017-10	ug/L						<10.5										
4-Bromophenyl Phenyl Ether	2017-12	ug/L					<10.6					<10.4						<10.4
4-Bromophenyl Phenyl Ether	2018-07	ug/L											<10.4					
4-Bromophenyl Phenyl Ether	2018-10	ug/L											<10.4					
4-Bromophenyl Phenyl Ether	2019-05	ug/L																
4-Bromophenyl Phenyl Ether	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
4-Bromophenyl Phenyl Ether	2021-12	ug/L																
4-Bromophenyl Phenyl Ether	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Bromophenyl Phenyl Ether	2024-04	ug/L											<10.6					
4-Chloro-3-methylphenol	2009-03	ug/L																
4-Chloro-3-methylphenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Chloro-3-methylphenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Chloro-3-methylphenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Chloro-3-methylphenol	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Chloro-3-methylphenol	2010-06	ug/L										<10.0						
4-Chloro-3-methylphenol	2010-08	ug/L										<10.0	<10.0					
4-Chloro-3-methylphenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Chloro-3-methylphenol	2010-12	ug/L										<10.0						
4-Chloro-3-methylphenol	2011-03	ug/L											<10.0		<10.0			
4-Chloro-3-methylphenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Chloro-3-methylphenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4-Chloro-3-methylphenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
4-Chloro-3-methylphenol	2012-03	ug/L														<10.0	<10.0	
4-Chloro-3-methylphenol	2014-12	ug/L															<10.2	
4-Chloro-3-methylphenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
4-Chloro-3-methylphenol	2017-10	ug/L						<10.5										
4-Chloro-3-methylphenol	2017-12	ug/L					<10.6					<10.4						<10.4
4-Chloro-3-methylphenol	2018-07	ug/L											<10.4					
4-Chloro-3-methylphenol	2018-10	ug/L											<10.4					
4-Chloro-3-methylphenol	2019-05	ug/L																
4-Chloro-3-methylphenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
4-Chloro-3-methylphenol	2021-12	ug/L																
4-Chloro-3-methylphenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Chloro-3-methylphenol	2024-04	ug/L											<10.6					
4-Chloroaniline	2009-03	ug/L																
4-Chloroaniline	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Chloroaniline	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Chloroaniline	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

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Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
4-Aminobiphenyl	2021-10	ug/L																
4-Aminobiphenyl	2021-12	ug/L	<10.5															
4-Aminobiphenyl	2022-10	ug/L			<8.77													
4-Aminobiphenyl	2024-04	ug/L		<10.2														
4-Bromophenyl Phenyl Ether	2009-03	ug/L																
4-Bromophenyl Phenyl Ether	2009-06	ug/L																
4-Bromophenyl Phenyl Ether	2009-09	ug/L																
4-Bromophenyl Phenyl Ether	2009-12	ug/L																
4-Bromophenyl Phenyl Ether	2010-03	ug/L																
4-Bromophenyl Phenyl Ether	2010-06	ug/L																
4-Bromophenyl Phenyl Ether	2010-08	ug/L																
4-Bromophenyl Phenyl Ether	2010-09	ug/L																
4-Bromophenyl Phenyl Ether	2010-12	ug/L																
4-Bromophenyl Phenyl Ether	2011-03	ug/L																
4-Bromophenyl Phenyl Ether	2011-06	ug/L																
4-Bromophenyl Phenyl Ether	2011-09	ug/L																
4-Bromophenyl Phenyl Ether	2011-12	ug/L																
4-Bromophenyl Phenyl Ether	2012-03	ug/L																
4-Bromophenyl Phenyl Ether	2014-12	ug/L																
4-Bromophenyl Phenyl Ether	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Bromophenyl Phenyl Ether	2017-10	ug/L																
4-Bromophenyl Phenyl Ether	2017-12	ug/L			<10.4													
4-Bromophenyl Phenyl Ether	2018-07	ug/L																
4-Bromophenyl Phenyl Ether	2018-10	ug/L								<10.1								
4-Bromophenyl Phenyl Ether	2019-05	ug/L		<10.1						<10.3								
4-Bromophenyl Phenyl Ether	2021-10	ug/L																
4-Bromophenyl Phenyl Ether	2021-12	ug/L	<10.5															
4-Bromophenyl Phenyl Ether	2022-10	ug/L			<8.77													
4-Bromophenyl Phenyl Ether	2024-04	ug/L		<10.2														
4-Chloro-3-methylphenol	2009-03	ug/L																
4-Chloro-3-methylphenol	2009-06	ug/L																
4-Chloro-3-methylphenol	2009-09	ug/L																
4-Chloro-3-methylphenol	2009-12	ug/L																
4-Chloro-3-methylphenol	2010-03	ug/L																
4-Chloro-3-methylphenol	2010-06	ug/L																
4-Chloro-3-methylphenol	2010-08	ug/L																
4-Chloro-3-methylphenol	2010-09	ug/L																
4-Chloro-3-methylphenol	2010-12	ug/L																
4-Chloro-3-methylphenol	2011-03	ug/L																
4-Chloro-3-methylphenol	2011-06	ug/L																
4-Chloro-3-methylphenol	2011-09	ug/L																
4-Chloro-3-methylphenol	2011-12	ug/L																
4-Chloro-3-methylphenol	2012-03	ug/L																
4-Chloro-3-methylphenol	2014-12	ug/L																
4-Chloro-3-methylphenol	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Chloro-3-methylphenol	2017-10	ug/L																
4-Chloro-3-methylphenol	2017-12	ug/L			<10.4													
4-Chloro-3-methylphenol	2018-07	ug/L									<10.1							
4-Chloro-3-methylphenol	2018-10	ug/L								<10.3								
4-Chloro-3-methylphenol	2019-05	ug/L		<10.1														
4-Chloro-3-methylphenol	2021-10	ug/L																
4-Chloro-3-methylphenol	2021-12	ug/L	<10.5															
4-Chloro-3-methylphenol	2022-10	ug/L			<8.77													
4-Chloro-3-methylphenol	2024-04	ug/L		<10.2														
4-Chloroaniline	2009-03	ug/L																
4-Chloroaniline	2009-06	ug/L																
4-Chloroaniline	2009-09	ug/L																
4-Chloroaniline	2009-12	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4-Chloroaniline	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Chloroaniline	2010-06	ug/L										<10.0						
4-Chloroaniline	2010-08	ug/L										<10.0	<10.0					
4-Chloroaniline	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Chloroaniline	2010-12	ug/L										<10.0						
4-Chloroaniline	2011-03	ug/L											<10.0		<10.0			
4-Chloroaniline	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Chloroaniline	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Chloroaniline	2011-12	ug/L													<10.0	<10.0	<10.0	
4-Chloroaniline	2012-03	ug/L														<10.0	<10.0	<10.0
4-Chloroaniline	2014-12	ug/L															<10.2	
4-Chloroaniline	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
4-Chloroaniline	2017-10	ug/L						<10.5										
4-Chloroaniline	2017-12	ug/L					<10.6					<10.4						<10.4
4-Chloroaniline	2018-07	ug/L											<10.4					
4-Chloroaniline	2018-10	ug/L											<10.4					
4-Chloroaniline	2019-05	ug/L																
4-Chloroaniline	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
4-Chloroaniline	2021-12	ug/L																
4-Chloroaniline	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Chloroaniline	2024-04	ug/L											<10.6					
4-Chlorophenyl Phenyl Ether	2009-03	ug/L						<10	<10	<10	<10							
4-Chlorophenyl Phenyl Ether	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Chlorophenyl Phenyl Ether	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Chlorophenyl Phenyl Ether	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Chlorophenyl Phenyl Ether	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Chlorophenyl Phenyl Ether	2010-06	ug/L										<10.0						
4-Chlorophenyl Phenyl Ether	2010-08	ug/L										<10.0	<10.0					
4-Chlorophenyl Phenyl Ether	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Chlorophenyl Phenyl Ether	2010-12	ug/L										<10.0						
4-Chlorophenyl Phenyl Ether	2011-03	ug/L											<10.0		<10.0			
4-Chlorophenyl Phenyl Ether	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Chlorophenyl Phenyl Ether	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Chlorophenyl Phenyl Ether	2011-12	ug/L													<10.0	<10.0	<10.0	
4-Chlorophenyl Phenyl Ether	2012-03	ug/L														<10.0	<10.0	
4-Chlorophenyl Phenyl Ether	2014-12	ug/L															<10.2	
4-Chlorophenyl Phenyl Ether	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
4-Chlorophenyl Phenyl Ether	2017-10	ug/L						<10.5										
4-Chlorophenyl Phenyl Ether	2017-12	ug/L					<10.6					<10.4						<10.4
4-Chlorophenyl Phenyl Ether	2018-07	ug/L											<10.4					
4-Chlorophenyl Phenyl Ether	2018-10	ug/L											<10.4					
4-Chlorophenyl Phenyl Ether	2019-05	ug/L																
4-Chlorophenyl Phenyl Ether	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
4-Chlorophenyl Phenyl Ether	2021-12	ug/L																
4-Chlorophenyl Phenyl Ether	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Chlorophenyl Phenyl Ether	2024-04	ug/L											<10.6					
4-Methyl-2-pentanone	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
4-Methyl-2-pentanone	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2008-08	ug/L					<10	<10	<10	1-11	<10	<10	<10	<10	<10			
4-Methyl-2-pentanone	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
4-Methyl-2-pentanone	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
4-Methyl-2-pentanone	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
4-Methyl-2-pentanone	2009-06	ug/L					<50.0	<10	<10	<10.0	<10					<10.0		
4-Methyl-2-pentanone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
4-Chloroaniline	2010-03	ug/L																
4-Chloroaniline	2010-06	ug/L																
4-Chloroaniline	2010-08	ug/L																
4-Chloroaniline	2010-09	ug/L																
4-Chloroaniline	2010-12	ug/L																
4-Chloroaniline	2011-03	ug/L																
4-Chloroaniline	2011-06	ug/L																
4-Chloroaniline	2011-09	ug/L																
4-Chloroaniline	2011-12	ug/L																
4-Chloroaniline	2012-03	ug/L																
4-Chloroaniline	2014-12	ug/L																
4-Chloroaniline	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Chloroaniline	2017-10	ug/L																
4-Chloroaniline	2017-12	ug/L		<10.4														
4-Chloroaniline	2018-07	ug/L								<10.1								
4-Chloroaniline	2018-10	ug/L								<10.3								
4-Chloroaniline	2019-05	ug/L		<10.1														
4-Chloroaniline	2021-10	ug/L																
4-Chloroaniline	2021-12	ug/L	<10.5															
4-Chloroaniline	2022-10	ug/L		<8.77														
4-Chloroaniline	2024-04	ug/L		<10.2														
4-Chlorophenyl Phenyl Ether	2009-03	ug/L																
4-Chlorophenyl Phenyl Ether	2009-06	ug/L																
4-Chlorophenyl Phenyl Ether	2009-09	ug/L																
4-Chlorophenyl Phenyl Ether	2009-12	ug/L																
4-Chlorophenyl Phenyl Ether	2010-03	ug/L																
4-Chlorophenyl Phenyl Ether	2010-06	ug/L																
4-Chlorophenyl Phenyl Ether	2010-08	ug/L																
4-Chlorophenyl Phenyl Ether	2010-09	ug/L																
4-Chlorophenyl Phenyl Ether	2010-12	ug/L																
4-Chlorophenyl Phenyl Ether	2011-03	ug/L																
4-Chlorophenyl Phenyl Ether	2011-06	ug/L																
4-Chlorophenyl Phenyl Ether	2011-09	ug/L																
4-Chlorophenyl Phenyl Ether	2011-12	ug/L																
4-Chlorophenyl Phenyl Ether	2012-03	ug/L																
4-Chlorophenyl Phenyl Ether	2014-12	ug/L																
4-Chlorophenyl Phenyl Ether	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Chlorophenyl Phenyl Ether	2017-10	ug/L																
4-Chlorophenyl Phenyl Ether	2017-12	ug/L		<10.4														
4-Chlorophenyl Phenyl Ether	2018-07	ug/L								<10.1								
4-Chlorophenyl Phenyl Ether	2018-10	ug/L								<10.3								
4-Chlorophenyl Phenyl Ether	2019-05	ug/L		<10.1														
4-Chlorophenyl Phenyl Ether	2021-10	ug/L																
4-Chlorophenyl Phenyl Ether	2021-12	ug/L	<10.5															
4-Chlorophenyl Phenyl Ether	2022-10	ug/L		<8.77														
4-Chlorophenyl Phenyl Ether	2024-04	ug/L		<10.2														
4-Methyl-2-pentanone	2008-01	ug/L																
4-Methyl-2-pentanone	2008-03	ug/L																
4-Methyl-2-pentanone	2008-08	ug/L																
4-Methyl-2-pentanone	2008-09	ug/L																
4-Methyl-2-pentanone	2008-10	ug/L																
4-Methyl-2-pentanone	2009-03	ug/L																
4-Methyl-2-pentanone	2009-06	ug/L																
4-Methyl-2-pentanone	2009-09	ug/L																
4-Methyl-2-pentanone	2009-12	ug/L																
4-Methyl-2-pentanone	2010-03	ug/L																
4-Methyl-2-pentanone	2010-06	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2010-08	ug/L	<10.0	<10.0														

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4-Methyl-2-pentanone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
4-Methyl-2-pentanone	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2011-07	ug/L	<10.0															
4-Methyl-2-pentanone	2011-08	ug/L		<10.0														
4-Methyl-2-pentanone	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2011-12	ug/L	<10.0	<10.0										<10.0	<10.0	<10.0	<10.0	
4-Methyl-2-pentanone	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2012-06	ug/L																
4-Methyl-2-pentanone	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2013-06	ug/L																
4-Methyl-2-pentanone	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2013-11	ug/L																
4-Methyl-2-pentanone	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	2014-06	ug/L																
4-Methyl-2-pentanone	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
4-Methyl-2-pentanone	2014-12	ug/L															<10.0	
4-Methyl-2-pentanone	2015-04	ug/L	<10.0	<10			<10	<10.0	<10	<10	<10	<10.0	<10.0			<10.0	<10	<10
4-Methyl-2-pentanone	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2017-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2017-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2017-10	ug/L					<10											<10
4-Methyl-2-pentanone	2017-12	ug/L					<10					<10						<10
4-Methyl-2-pentanone	2018-04	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2018-07	ug/L											<10					
4-Methyl-2-pentanone	2018-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2019-01	ug/L																
4-Methyl-2-pentanone	2019-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2019-05	ug/L																
4-Methyl-2-pentanone	2019-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2020-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2020-09	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2021-05	ug/L																
4-Methyl-2-pentanone	2021-08	ug/L																
4-Methyl-2-pentanone	2021-10	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2021-12	ug/L																
4-Methyl-2-pentanone	2022-02	ug/L	<10		<10	<10												
4-Methyl-2-pentanone	2022-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2022-07	ug/L			<10	<10												
4-Methyl-2-pentanone	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2023-04	ug/L	<10	<10		<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2023-05	ug/L			<10													
4-Methyl-2-pentanone	2023-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Methyl-2-pentanone	2024-09	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
4-Nitroaniline	2009-03	ug/L																
4-Nitroaniline	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Nitroaniline	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Nitroaniline	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Nitroaniline	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Nitroaniline	2010-06	ug/L										<10.0						
4-Nitroaniline	2010-08	ug/L										<10.0	<10.0					

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
4-Methyl-2-pentanone	2010-09	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2010-12	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2011-03	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2011-04	ug/L																
4-Methyl-2-pentanone	2011-06	ug/L																
4-Methyl-2-pentanone	2011-07	ug/L																
4-Methyl-2-pentanone	2011-08	ug/L																
4-Methyl-2-pentanone	2011-09	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2011-12	ug/L																
4-Methyl-2-pentanone	2012-03	ug/L	<10.0	<10.0														
4-Methyl-2-pentanone	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
4-Methyl-2-pentanone	2012-10	ug/L																
4-Methyl-2-pentanone	2013-03	ug/L	<10.0								<10.0							
4-Methyl-2-pentanone	2013-06	ug/L			<10.0													
4-Methyl-2-pentanone	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
4-Methyl-2-pentanone	2013-11	ug/L			<10.0													
4-Methyl-2-pentanone	2014-03	ug/L	<10.0		<10.0						<10.0							
4-Methyl-2-pentanone	2014-06	ug/L		<10.0	<10.0													
4-Methyl-2-pentanone	2014-09	ug/L	<10	<10	<10						<10							
4-Methyl-2-pentanone	2014-12	ug/L																
4-Methyl-2-pentanone	2015-04	ug/L	< 10.0	<b>0.455</b>	< 10.0						< 10							
4-Methyl-2-pentanone	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2017-03	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2017-10	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2017-12	ug/L			<10													
4-Methyl-2-pentanone	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
4-Methyl-2-pentanone	2018-07	ug/L								<10								
4-Methyl-2-pentanone	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
4-Methyl-2-pentanone	2019-01	ug/L								<10								
4-Methyl-2-pentanone	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
4-Methyl-2-pentanone	2019-05	ug/L		<10						<10								
4-Methyl-2-pentanone	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
4-Methyl-2-pentanone	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
4-Methyl-2-pentanone	2020-09	ug/L	<10	<10	<10					<10	<10	<10				<10	<10	
4-Methyl-2-pentanone	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
4-Methyl-2-pentanone	2021-05	ug/L	<10															
4-Methyl-2-pentanone	2021-08	ug/L						<10	<10									
4-Methyl-2-pentanone	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2021-12	ug/L	<10															
4-Methyl-2-pentanone	2022-02	ug/L						<10	<10									
4-Methyl-2-pentanone	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2022-07	ug/L																
4-Methyl-2-pentanone	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2023-05	ug/L																
4-Methyl-2-pentanone	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
4-Methyl-2-pentanone	2024-09	ug/L	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitroaniline	2009-03	ug/L																
4-Nitroaniline	2009-06	ug/L																
4-Nitroaniline	2009-09	ug/L																
4-Nitroaniline	2009-12	ug/L																
4-Nitroaniline	2010-03	ug/L																
4-Nitroaniline	2010-06	ug/L																
4-Nitroaniline	2010-08	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
4-Nitroaniline	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Nitroaniline	2010-12	ug/L										<10.0						
4-Nitroaniline	2011-03	ug/L											<10.0		<10.0			
4-Nitroaniline	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Nitroaniline	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4-Nitroaniline	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
4-Nitroaniline	2012-03	ug/L													<10.0	<10.0	<10.0	
4-Nitroaniline	2014-12	ug/L															<10.2	
4-Nitroaniline	2016-10	ug/L														<11.2	<11.1	
4-Nitroaniline	2017-10	ug/L						<10.5										
4-Nitroaniline	2017-12	ug/L					<10.6					<10.4						<10.4
4-Nitroaniline	2018-07	ug/L											<10.4					
4-Nitroaniline	2018-10	ug/L											<10.4					
4-Nitroaniline	2019-05	ug/L																
4-Nitroaniline	2021-10	ug/L						<10.5	<10.5	<10.2					<10.4	<10.5		
4-Nitroaniline	2021-12	ug/L																
4-Nitroaniline	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Nitroaniline	2024-04	ug/L											<10.6					
4-Nitrophenol	2009-03	ug/L						<10	<10	<10								
4-Nitrophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
4-Nitrophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Nitrophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
4-Nitrophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
4-Nitrophenol	2010-06	ug/L										<10.0						
4-Nitrophenol	2010-08	ug/L										<10.0	<10.0					
4-Nitrophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
4-Nitrophenol	2010-12	ug/L										<10.0						
4-Nitrophenol	2011-03	ug/L											<10.0		<10.0			
4-Nitrophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
4-Nitrophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
4-Nitrophenol	2011-12	ug/L													<10.0	<10.0	<10.0	
4-Nitrophenol	2012-03	ug/L													<10.0	<10.0	<10.0	
4-Nitrophenol	2014-12	ug/L															<10.2	
4-Nitrophenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
4-Nitrophenol	2017-10	ug/L						<10.5										
4-Nitrophenol	2017-12	ug/L					<10.6					<10.4						<10.4
4-Nitrophenol	2018-07	ug/L											<10.4					
4-Nitrophenol	2018-10	ug/L											<10.4					
4-Nitrophenol	2019-05	ug/L																
4-Nitrophenol	2021-10	ug/L						<10.5	<10.5	<10.2					<10.4	<10.5		
4-Nitrophenol	2021-12	ug/L																
4-Nitrophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
4-Nitrophenol	2024-04	ug/L											<10.6					
5-Nitro-o-toluidine	2009-03	ug/L						<10	<10	<10								
5-Nitro-o-toluidine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
5-Nitro-o-toluidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
5-Nitro-o-toluidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
5-Nitro-o-toluidine	2010-03	ug/L					<10.0				<10.0			<10.0				
5-Nitro-o-toluidine	2010-06	ug/L										<10.0						
5-Nitro-o-toluidine	2010-08	ug/L										<10.0	<10.0					
5-Nitro-o-toluidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
5-Nitro-o-toluidine	2010-12	ug/L										<10.0						
5-Nitro-o-toluidine	2011-03	ug/L											<10.0		<10.0			
5-Nitro-o-toluidine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
5-Nitro-o-toluidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
5-Nitro-o-toluidine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
5-Nitro-o-toluidine	2012-03	ug/L													<10.0	<10.0	<10.0	
5-Nitro-o-toluidine	2014-12	ug/L															<10.2	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
4-Nitroaniline	2010-09	ug/L																
4-Nitroaniline	2010-12	ug/L																
4-Nitroaniline	2011-03	ug/L																
4-Nitroaniline	2011-06	ug/L																
4-Nitroaniline	2011-09	ug/L																
4-Nitroaniline	2011-12	ug/L																
4-Nitroaniline	2012-03	ug/L																
4-Nitroaniline	2014-12	ug/L																
4-Nitroaniline	2016-10	ug/L																
4-Nitroaniline	2017-10	ug/L									<10.4					<10.3	<10.2	
4-Nitroaniline	2017-12	ug/L			<10.4													
4-Nitroaniline	2018-07	ug/L									<10.1							
4-Nitroaniline	2018-10	ug/L									<10.3							
4-Nitroaniline	2019-05	ug/L		<10.1														
4-Nitroaniline	2021-10	ug/L																
4-Nitroaniline	2021-12	ug/L	<10.5															
4-Nitroaniline	2022-10	ug/L			<8.77													
4-Nitroaniline	2024-04	ug/L		<10.2														
4-Nitrophenol	2009-03	ug/L																
4-Nitrophenol	2009-06	ug/L																
4-Nitrophenol	2009-09	ug/L																
4-Nitrophenol	2009-12	ug/L																
4-Nitrophenol	2010-03	ug/L																
4-Nitrophenol	2010-06	ug/L																
4-Nitrophenol	2010-08	ug/L																
4-Nitrophenol	2010-09	ug/L																
4-Nitrophenol	2010-12	ug/L																
4-Nitrophenol	2011-03	ug/L																
4-Nitrophenol	2011-06	ug/L																
4-Nitrophenol	2011-09	ug/L																
4-Nitrophenol	2011-12	ug/L																
4-Nitrophenol	2012-03	ug/L																
4-Nitrophenol	2014-12	ug/L																
4-Nitrophenol	2016-10	ug/L									<10.4					<10.3	<10.2	
4-Nitrophenol	2017-10	ug/L																
4-Nitrophenol	2017-12	ug/L			<10.4													
4-Nitrophenol	2018-07	ug/L									<10.1							
4-Nitrophenol	2018-10	ug/L									<10.3							
4-Nitrophenol	2019-05	ug/L		<10.1														
4-Nitrophenol	2021-10	ug/L																
4-Nitrophenol	2021-12	ug/L	<10.5															
4-Nitrophenol	2022-10	ug/L			<8.77													
4-Nitrophenol	2024-04	ug/L		<10.2														
5-Nitro-o-toluidine	2009-03	ug/L																
5-Nitro-o-toluidine	2009-06	ug/L																
5-Nitro-o-toluidine	2009-09	ug/L																
5-Nitro-o-toluidine	2009-12	ug/L																
5-Nitro-o-toluidine	2010-03	ug/L																
5-Nitro-o-toluidine	2010-06	ug/L																
5-Nitro-o-toluidine	2010-08	ug/L																
5-Nitro-o-toluidine	2010-09	ug/L																
5-Nitro-o-toluidine	2010-12	ug/L																
5-Nitro-o-toluidine	2011-03	ug/L																
5-Nitro-o-toluidine	2011-06	ug/L																
5-Nitro-o-toluidine	2011-09	ug/L																
5-Nitro-o-toluidine	2011-12	ug/L																
5-Nitro-o-toluidine	2012-03	ug/L																
5-Nitro-o-toluidine	2014-12	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
5-Nitro-o-toluidine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
5-Nitro-o-toluidine	2017-10	ug/L						<10.5										
5-Nitro-o-toluidine	2017-12	ug/L					<10.6					<10.4						<10.4
5-Nitro-o-toluidine	2018-07	ug/L											<10.4					
5-Nitro-o-toluidine	2018-10	ug/L											<10.4					
5-Nitro-o-toluidine	2019-05	ug/L																
5-Nitro-o-toluidine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
5-Nitro-o-toluidine	2021-12	ug/L																
5-Nitro-o-toluidine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
5-Nitro-o-toluidine	2024-04	ug/L											<10.6					
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L						<10	<10	<10								
7,12-Dimethylbenz(a)anthracene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
7,12-Dimethylbenz(a)anthracene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L					<10.0				<10.0			<10.0				
7,12-Dimethylbenz(a)anthracene	2010-06	ug/L										<10.0						
7,12-Dimethylbenz(a)anthracene	2010-08	ug/L										<10.0	<10.0					
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
7,12-Dimethylbenz(a)anthracene	2010-12	ug/L										<10.0						
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L											<10.0		<10.0			
7,12-Dimethylbenz(a)anthracene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
7,12-Dimethylbenz(a)anthracene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
7,12-Dimethylbenz(a)anthracene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
7,12-Dimethylbenz(a)anthracene	2012-03	ug/L													<10.0	<10.0	<10.0	
7,12-Dimethylbenz(a)anthracene	2014-12	ug/L															<10.2	
7,12-Dimethylbenz(a)anthracene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
7,12-Dimethylbenz(a)anthracene	2017-10	ug/L						<10.5										
7,12-Dimethylbenz(a)anthracene	2017-12	ug/L					<10.6					<10.4						<10.4
7,12-Dimethylbenz(a)anthracene	2018-07	ug/L											<10.4					
7,12-Dimethylbenz(a)anthracene	2018-10	ug/L											<10.4					
7,12-Dimethylbenz(a)anthracene	2019-05	ug/L																
7,12-Dimethylbenz(a)anthracene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
7,12-Dimethylbenz(a)anthracene	2021-12	ug/L																
7,12-Dimethylbenz(a)anthracene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
7,12-Dimethylbenz(a)anthracene	2024-04	ug/L											<10.6					
Acenaphthene	2009-03	ug/L						<10	<10	<10								
Acenaphthene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Acenaphthene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acenaphthene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acenaphthene	2010-03	ug/L					<10.0				<10.0			<10.0				
Acenaphthene	2010-06	ug/L										<10.0						
Acenaphthene	2010-08	ug/L										<10.0	<10.0					
Acenaphthene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Acenaphthene	2010-12	ug/L										<10.0						
Acenaphthene	2011-03	ug/L											<10.0		<10.0			
Acenaphthene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Acenaphthene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Acenaphthene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Acenaphthene	2012-03	ug/L													<10.0	<10.0	<10.0	
Acenaphthene	2014-12	ug/L															<10.2	
Acenaphthene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Acenaphthene	2017-10	ug/L						<10.5										
Acenaphthene	2017-12	ug/L					<10.6					<10.4						<10.4
Acenaphthene	2018-07	ug/L											<10.4					
Acenaphthene	2018-10	ug/L											<10.4					
Acenaphthene	2019-05	ug/L																
Acenaphthene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Acenaphthene	2021-12	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
5-Nitro-o-toluidine	2016-10	ug/L									<10.4					<10.3	<10.2	
5-Nitro-o-toluidine	2017-10	ug/L																
5-Nitro-o-toluidine	2017-12	ug/L			<10.4													
5-Nitro-o-toluidine	2018-07	ug/L								<10.1								
5-Nitro-o-toluidine	2018-10	ug/L								<10.3								
5-Nitro-o-toluidine	2019-05	ug/L		<10.1														
5-Nitro-o-toluidine	2021-10	ug/L																
5-Nitro-o-toluidine	2021-12	ug/L	<10.5															
5-Nitro-o-toluidine	2022-10	ug/L			<8.77													
5-Nitro-o-toluidine	2024-04	ug/L		<10.2														
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L																
7,12-Dimethylbenz(a)anthracene	2009-06	ug/L																
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L																
7,12-Dimethylbenz(a)anthracene	2009-12	ug/L																
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L																
7,12-Dimethylbenz(a)anthracene	2010-06	ug/L																
7,12-Dimethylbenz(a)anthracene	2010-08	ug/L																
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L																
7,12-Dimethylbenz(a)anthracene	2010-12	ug/L																
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L																
7,12-Dimethylbenz(a)anthracene	2011-06	ug/L																
7,12-Dimethylbenz(a)anthracene	2011-09	ug/L																
7,12-Dimethylbenz(a)anthracene	2011-12	ug/L																
7,12-Dimethylbenz(a)anthracene	2012-03	ug/L																
7,12-Dimethylbenz(a)anthracene	2014-12	ug/L																
7,12-Dimethylbenz(a)anthracene	2016-10	ug/L									<10.4					<10.3	<10.2	
7,12-Dimethylbenz(a)anthracene	2017-10	ug/L																
7,12-Dimethylbenz(a)anthracene	2017-12	ug/L			<10.4													
7,12-Dimethylbenz(a)anthracene	2018-07	ug/L								<10.1								
7,12-Dimethylbenz(a)anthracene	2018-10	ug/L								<10.3								
7,12-Dimethylbenz(a)anthracene	2019-05	ug/L		<10.1														
7,12-Dimethylbenz(a)anthracene	2021-10	ug/L																
7,12-Dimethylbenz(a)anthracene	2021-12	ug/L	<10.5															
7,12-Dimethylbenz(a)anthracene	2022-10	ug/L			<8.77													
7,12-Dimethylbenz(a)anthracene	2024-04	ug/L		<10.2														
Acenaphthene	2009-03	ug/L																
Acenaphthene	2009-06	ug/L																
Acenaphthene	2009-09	ug/L																
Acenaphthene	2009-12	ug/L																
Acenaphthene	2010-03	ug/L																
Acenaphthene	2010-06	ug/L																
Acenaphthene	2010-08	ug/L																
Acenaphthene	2010-09	ug/L																
Acenaphthene	2010-12	ug/L																
Acenaphthene	2011-03	ug/L																
Acenaphthene	2011-06	ug/L																
Acenaphthene	2011-09	ug/L																
Acenaphthene	2011-12	ug/L																
Acenaphthene	2012-03	ug/L																
Acenaphthene	2014-12	ug/L																
Acenaphthene	2016-10	ug/L									<10.4					<10.3	<10.2	
Acenaphthene	2017-10	ug/L																
Acenaphthene	2017-12	ug/L			<10.4													
Acenaphthene	2018-07	ug/L								<10.1								
Acenaphthene	2018-10	ug/L								<10.3								
Acenaphthene	2019-05	ug/L		<10.1														
Acenaphthene	2021-10	ug/L																
Acenaphthene	2021-12	ug/L	<10.5															



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Acenaphthene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Acenaphthene	2024-04	ug/L											<10.6					
Acenaphthylene	2009-03	ug/L						<10	<10	<10								
Acenaphthylene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Acenaphthylene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acenaphthylene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acenaphthylene	2010-03	ug/L					<10.0			<10.0				<10.0				
Acenaphthylene	2010-06	ug/L										<10.0						
Acenaphthylene	2010-08	ug/L										<10.0	<10.0					
Acenaphthylene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Acenaphthylene	2010-12	ug/L										<10.0						
Acenaphthylene	2011-03	ug/L										<10.0		<10.0				
Acenaphthylene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Acenaphthylene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Acenaphthylene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Acenaphthylene	2012-03	ug/L													<10.0	<10.0	<10.0	
Acenaphthylene	2014-12	ug/L															<10.2	
Acenaphthylene	2017-10	ug/L						<10.5										
Acenaphthylene	2017-12	ug/L					<10.6					<10.4						<10.4
Acenaphthylene	2018-07	ug/L											<10.4					
Acenaphthylene	2018-10	ug/L											<10.4					
Acenaphthylene	2019-05	ug/L																
Acenaphthylene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Acenaphthylene	2021-12	ug/L																
Acenaphthylene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Acenaphthylene	2024-04	ug/L											<10.6					
Acetone	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
Acetone	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Acetone	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Acetone	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Acetone	2008-10	ug/L					<10	<10	<10	8.21	<10	<10	<10	<10	<10	<10	<10	
Acetone	2009-03	ug/L					<10	<10	18.7	<10	<10	<10	<10	<10	<10	<10	<10	
Acetone	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
Acetone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Acetone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acetone	2010-03	ug/L					<10.0	<10.0	16.8	11.4	<10.0	<10.0	<10.0	<10.0	<10.0			
Acetone	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
Acetone	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
Acetone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
Acetone	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2011-04	ug/L					<10.0		<10.0	<10.0							<10.0	
Acetone	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
Acetone	2011-07	ug/L	<10.0															
Acetone	2011-08	ug/L		<10.0														
Acetone	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2011-12	ug/L	<10.0	<10.0										<10.0	<20.0	<10.0	<10.0	
Acetone	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2012-06	ug/L																
Acetone	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2013-06	ug/L																
Acetone	2013-09	ug/L	2.62	<10.0			<10.0	2.90	<10.0	3.55	1.79	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2013-11	ug/L																
Acetone	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	11.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	2014-06	ug/L																
Acetone	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
Acetone	2014-12	ug/L																<10.0

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Acenaphthene	2022-10	ug/L			<8.77													
Acenaphthene	2024-04	ug/L		<10.2														
Acenaphthylene	2009-03	ug/L																
Acenaphthylene	2009-06	ug/L																
Acenaphthylene	2009-09	ug/L																
Acenaphthylene	2009-12	ug/L																
Acenaphthylene	2010-03	ug/L																
Acenaphthylene	2010-06	ug/L																
Acenaphthylene	2010-08	ug/L																
Acenaphthylene	2010-09	ug/L																
Acenaphthylene	2010-12	ug/L																
Acenaphthylene	2011-03	ug/L																
Acenaphthylene	2011-06	ug/L																
Acenaphthylene	2011-09	ug/L																
Acenaphthylene	2011-12	ug/L																
Acenaphthylene	2012-03	ug/L																
Acenaphthylene	2014-12	ug/L																
Acenaphthylene	2017-10	ug/L																
Acenaphthylene	2017-12	ug/L			<10.4													
Acenaphthylene	2018-07	ug/L								<10.1								
Acenaphthylene	2018-10	ug/L								<10.3								
Acenaphthylene	2019-05	ug/L		<10.1														
Acenaphthylene	2021-10	ug/L																
Acenaphthylene	2021-12	ug/L	<10.5															
Acenaphthylene	2022-10	ug/L			<8.77													
Acenaphthylene	2024-04	ug/L		<10.2														
Acetone	2008-01	ug/L																
Acetone	2008-03	ug/L																
Acetone	2008-08	ug/L																
Acetone	2008-09	ug/L																
Acetone	2008-10	ug/L																
Acetone	2009-03	ug/L																
Acetone	2009-06	ug/L																
Acetone	2009-09	ug/L																
Acetone	2009-12	ug/L																
Acetone	2010-03	ug/L																
Acetone	2010-06	ug/L	<10.0	<10.0														
Acetone	2010-08	ug/L	<10.0	<10.0														
Acetone	2010-09	ug/L	<10.0	<10.0														
Acetone	2010-12	ug/L	<10.0	<10.0														
Acetone	2011-03	ug/L	<10.0	<10.0														
Acetone	2011-04	ug/L																
Acetone	2011-06	ug/L																
Acetone	2011-07	ug/L																
Acetone	2011-08	ug/L																
Acetone	2011-09	ug/L	<10.0	<10.0														
Acetone	2011-12	ug/L																
Acetone	2012-03	ug/L	<10.0	<10.0														
Acetone	2012-06	ug/L								<10.0	<10.0			<10.0		<10.0	<10.0	
Acetone	2012-10	ug/L																
Acetone	2013-03	ug/L	<10.0								<10.0							
Acetone	2013-06	ug/L			2.57													
Acetone	2013-09	ug/L	<10.0	<10.0							<10.0							
Acetone	2013-11	ug/L			<10.0													
Acetone	2014-03	ug/L	<10.0		<10.0						<10.0							
Acetone	2014-06	ug/L		<10.0	<10.0													
Acetone	2014-09	ug/L	<10	<10	<10						<10							
Acetone	2014-12	ug/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Acetone	2015-04	ug/L	3.63	<10			<10-e	<10-e	<10	4.49	2.63	<10.0	<10.0			<10-e	3.58-Je	1.98 J
Acetone	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10-e	<10	<10
Acetone	2016-04	ug/L	3.17 J	<10			2.27 J	<10	4.36 J	4.08 J	2.51 J	<10	<10			1.88 J	2.43 J	<10
Acetone	2016-10	ug/L	4.8 J	<10			<10	<10	3.12 J	7.69 J	<10	<10	1.83 J			<10-e	1.87 J	<10
Acetone	2017-03	ug/L	11.2	3.28 J			3.03 J	3.38-Je	4.14 J	5.8 J	4.92-Je	2.47 J	2.33 J			3.27-Je	2.03 J	<10
Acetone	2017-06	ug/L	14.8															
Acetone	2017-10	ug/L	14.4	4.47 J			6.6-Je	1.98-Je	4.65 J	8.95 J	3.06 J	4.01 J				2.96-Je	5.06-Je	10.6
Acetone	2017-12	ug/L					<10					<10						<10
Acetone	2018-04	ug/L	5.77 J	<10	<10		<10	<10	2.83 J	5.6 J	5.7-Je	<10	<10			<10-e	<10	<10
Acetone	2018-07	ug/L											<10					
Acetone	2018-10	ug/L	3.72 J	<10			<10	<10	<10	4.14 J	<10	3.53 J	<10			<10	<10	3.21 J
Acetone	2019-01	ug/L																
Acetone	2019-03	ug/L	11.6	<10			<10	<10	4.22 J	9.29	<10	3.14 J	<10			<10	<10	<10
Acetone	2019-05	ug/L	3.19 J															
Acetone	2019-10	ug/L	6.09 J	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acetone	2020-03	ug/L	5.23 J	<10			<10	<10	<10	<10	<10	4.46 J				<10	<10	<10
Acetone	2020-09	ug/L	4.46 J	<10			<10	<10	<10	3.83 J	<10	<10	<10			<10	<10	<10
Acetone	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	12			<10	<10	<10
Acetone	2021-05	ug/L																
Acetone	2021-08	ug/L																
Acetone	2021-10	ug/L	40.6	<10	<10		3.65 J	<10	<10	5.78 J	<10	<10	<10			<10	<10	<10
Acetone	2021-12	ug/L	5.43 J															
Acetone	2022-02	ug/L	<10		<10	<10												
Acetone	2022-04	ug/L	3.26 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	271-e			<10	<10	<10
Acetone	2022-07	ug/L			<10	<10												
Acetone	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
Acetone	2023-04	ug/L	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acetone	2023-05	ug/L			<10													
Acetone	2023-10	ug/L	4.04 J	<10	<10	<10	<10	<10	<10	3.64 J	<10	<10				<10	<10	<10
Acetone	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	3.33 J	<10	<10	<10			<10	<10	<10
Acetone	2024-09	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acetonitrile	2009-03	mg/L							<10	<10	<10							
Acetonitrile	2009-06	mg/L					<10.0	<10	<10	<10.0	<10			<10.0				
Acetonitrile	2009-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acetonitrile	2009-12	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acetonitrile	2010-03	mg/L					<10.0				<10.0			<10.0				
Acetonitrile	2010-06	mg/L										<10.0						
Acetonitrile	2010-08	mg/L										<10.0	<10.0					
Acetonitrile	2010-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Acetonitrile	2010-12	mg/L										<10.0						
Acetonitrile	2011-03	mg/L											<10.0		<10.0			
Acetonitrile	2011-06	mg/L											<10.0		<10.0	<10.0	<10.0	
Acetonitrile	2011-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Acetonitrile	2011-12	mg/L													<10.0	<10.0	<10.0	
Acetonitrile	2012-03	mg/L														<10.0	<10.0	
Acetonitrile	2014-12	mg/L															<10.0	
Acetonitrile	2016-10	ug/L						<10	<10	<10	<10					<10	<10	
Acetonitrile	2017-10	mg/L						<10										
Acetonitrile	2017-12	mg/L					<10					<10						<10
Acetonitrile	2018-07	mg/L											<10					
Acetonitrile	2018-10	mg/L											<10					
Acetonitrile	2019-05	mg/L																
Acetonitrile	2021-10	mg/L						<10	<10	<10	<10					<10	<10	
Acetonitrile	2021-12	mg/L																
Acetonitrile	2022-10	mg/L					<10	<10				<10						<10
Acetonitrile	2024-04	mg/L											<10					
Acetophenone	2009-03	ug/L						<10	<10	<10	<10							
Acetophenone	2009-06	ug/L					<10.0	<10	<10	<10.0	<10				<10.0			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Acetone	2015-04	ug/L	<10	<10.0	<10.0						<10							
Acetone	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
Acetone	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
Acetone	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
Acetone	2017-03	ug/L	2.82 J	<10	<10						<10					1.99 J	2.25 J	
Acetone	2017-06	ug/L																
Acetone	2017-10	ug/L	3.16 J	3.61 J	3.92 J						4.08 J					4.71 J	4.14 J	
Acetone	2017-12	ug/L			<10													
Acetone	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
Acetone	2018-07	ug/L								29.9								
Acetone	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Acetone	2019-01	ug/L								<10								
Acetone	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Acetone	2019-05	ug/L		<10						<10								
Acetone	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Acetone	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Acetone	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
Acetone	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
Acetone	2021-05	ug/L	<10															
Acetone	2021-08	ug/L						<10	<10									
Acetone	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2021-12	ug/L	<10															
Acetone	2022-02	ug/L						<10	<10									
Acetone	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2022-07	ug/L																
Acetone	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2023-05	ug/L																
Acetone	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Acetone	2024-09	ug/L	<10	3.29 J	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	2009-03	mg/L																
Acetonitrile	2009-06	mg/L																
Acetonitrile	2009-09	mg/L																
Acetonitrile	2009-12	mg/L																
Acetonitrile	2010-03	mg/L																
Acetonitrile	2010-06	mg/L																
Acetonitrile	2010-08	mg/L																
Acetonitrile	2010-09	mg/L																
Acetonitrile	2010-12	mg/L																
Acetonitrile	2011-03	mg/L																
Acetonitrile	2011-06	mg/L																
Acetonitrile	2011-09	mg/L																
Acetonitrile	2011-12	mg/L																
Acetonitrile	2012-03	mg/L																
Acetonitrile	2014-12	mg/L																
Acetonitrile	2016-10	ug/L									<10					<10	<10	
Acetonitrile	2017-10	mg/L																
Acetonitrile	2017-12	mg/L			<10													
Acetonitrile	2018-07	mg/L								<10								
Acetonitrile	2018-10	mg/L								<10								
Acetonitrile	2019-05	mg/L		<10														
Acetonitrile	2021-10	mg/L																
Acetonitrile	2021-12	mg/L	<10															
Acetonitrile	2022-10	mg/L			<10													
Acetonitrile	2024-04	mg/L		<10														
Acetophenone	2009-03	ug/L																
Acetophenone	2009-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Acetophenone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acetophenone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acetophenone	2010-03	ug/L					<10.0				<10.0			<10.0				
Acetophenone	2010-06	ug/L										<10.0						
Acetophenone	2010-08	ug/L										<10.0	<10.0					
Acetophenone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Acetophenone	2010-12	ug/L										<10.0						
Acetophenone	2011-03	ug/L											<10.0		<10.0			
Acetophenone	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Acetophenone	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetophenone	2011-12	ug/L													<10.0	<10.0	<10.0	
Acetophenone	2012-03	ug/L														<10.0	<10.0	
Acetophenone	2014-12	ug/L															<10.2	
Acetophenone	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Acetophenone	2017-10	ug/L																
Acetophenone	2017-12	ug/L					<10.6					<10.4						<10.4
Acetophenone	2018-07	ug/L											<10.4					
Acetophenone	2018-10	ug/L											<10.4					
Acetophenone	2019-05	ug/L																
Acetophenone	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Acetophenone	2021-12	ug/L																
Acetophenone	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Acetophenone	2024-04	ug/L											<10.6					
Acrolein	2009-03	ug/L						<10	<10	<10								
Acrolein	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
Acrolein	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acrolein	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acrolein	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Acrolein	2010-06	ug/L										<10.0						
Acrolein	2010-08	ug/L										<10.0	<10.0					
Acrolein	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Acrolein	2010-12	ug/L										<10.0						
Acrolein	2011-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Acrolein	2011-04	ug/L					<10.0		<10.0	<10.0	<10.0						<10.0	
Acrolein	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Acrolein	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Acrolein	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Acrolein	2012-03	ug/L												<10.0		<10.0	<10.0	
Acrolein	2014-12	ug/L															<10.0	
Acrolein	2016-10	ug/L							<10	<10	<10					<10	<10	
Acrolein	2017-10	ug/L						<10										
Acrolein	2017-12	ug/L					<10					<10						<10
Acrolein	2018-07	ug/L											<10					
Acrolein	2018-10	ug/L																
Acrolein	2019-05	ug/L																
Acrolein	2021-10	ug/L							<10	<10	<10					<10	<10	
Acrolein	2021-12	ug/L																
Acrolein	2022-10	ug/L					<10	<10					<10					<10
Acrolein	2024-04	ug/L											<10					
Acrylonitrile	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
Acrylonitrile	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Acrylonitrile	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Acrylonitrile	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Acrylonitrile	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Acrylonitrile	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Acrylonitrile	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
Acrylonitrile	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Acrylonitrile	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Acetophenone	2009-09	ug/L																
Acetophenone	2009-12	ug/L																
Acetophenone	2010-03	ug/L																
Acetophenone	2010-06	ug/L																
Acetophenone	2010-08	ug/L																
Acetophenone	2010-09	ug/L																
Acetophenone	2010-12	ug/L																
Acetophenone	2011-03	ug/L																
Acetophenone	2011-06	ug/L																
Acetophenone	2011-09	ug/L																
Acetophenone	2011-12	ug/L																
Acetophenone	2012-03	ug/L																
Acetophenone	2014-12	ug/L																
Acetophenone	2016-10	ug/L									<10.4					<10.3	<10.2	
Acetophenone	2017-10	ug/L																
Acetophenone	2017-12	ug/L			<10.4													
Acetophenone	2018-07	ug/L								<10.1								
Acetophenone	2018-10	ug/L								<10.3								
Acetophenone	2019-05	ug/L		<10.1														
Acetophenone	2021-10	ug/L																
Acetophenone	2021-12	ug/L	<10.5															
Acetophenone	2022-10	ug/L			<8.77													
Acetophenone	2024-04	ug/L		<10.2														
Acrolein	2009-03	ug/L																
Acrolein	2009-06	ug/L																
Acrolein	2009-09	ug/L																
Acrolein	2009-12	ug/L																
Acrolein	2010-03	ug/L																
Acrolein	2010-06	ug/L																
Acrolein	2010-08	ug/L																
Acrolein	2010-09	ug/L																
Acrolein	2010-12	ug/L																
Acrolein	2011-03	ug/L																
Acrolein	2011-04	ug/L																
Acrolein	2011-06	ug/L																
Acrolein	2011-09	ug/L																
Acrolein	2011-12	ug/L																
Acrolein	2012-03	ug/L																
Acrolein	2014-12	ug/L																
Acrolein	2016-10	ug/L									<10					<10	<10	
Acrolein	2017-10	ug/L																
Acrolein	2017-12	ug/L			<10													
Acrolein	2018-07	ug/L								<10								
Acrolein	2018-10	ug/L								<10								
Acrolein	2019-05	ug/L		<10														
Acrolein	2021-10	ug/L																
Acrolein	2021-12	ug/L	<10															
Acrolein	2022-10	ug/L			<10													
Acrolein	2024-04	ug/L		<10														
Acrylonitrile	2008-01	ug/L																
Acrylonitrile	2008-03	ug/L																
Acrylonitrile	2008-08	ug/L																
Acrylonitrile	2008-09	ug/L																
Acrylonitrile	2008-10	ug/L																
Acrylonitrile	2009-03	ug/L																
Acrylonitrile	2009-06	ug/L																
Acrylonitrile	2009-09	ug/L																
Acrylonitrile	2009-12	ug/L																

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**Table 19**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Acrylonitrile	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Acrylonitrile	2010-06	ug/L										<10.0				<10.0	<10.0	<10.0
Acrylonitrile	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
Acrylonitrile	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
Acrylonitrile	2011-03	ug/L		<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
Acrylonitrile	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
Acrylonitrile	2011-07	ug/L	<10.0															
Acrylonitrile	2011-08	ug/L		<10.0														
Acrylonitrile	2011-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2011-12	ug/L	<10.0	<10.0										<10.0	<10.0	<10.0	<10.0	
Acrylonitrile	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2012-06	ug/L																
Acrylonitrile	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2013-06	ug/L																
Acrylonitrile	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2013-11	ug/L																
Acrylonitrile	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	2014-06	ug/L																
Acrylonitrile	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
Acrylonitrile	2014-12	ug/L															<10.0	
Acrylonitrile	2015-04	ug/L	< 10.0	< 10			< 10	< 10.0	< 10	< 10	< 10	< 10.0	< 10.0			< 10.0	< 10	< 10
Acrylonitrile	2015-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acrylonitrile	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acrylonitrile	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Acrylonitrile	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2017-12	ug/L					<5					<5						<5
Acrylonitrile	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2018-07	ug/L											<5					
Acrylonitrile	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2019-01	ug/L																
Acrylonitrile	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2019-05	ug/L																
Acrylonitrile	2019-10	ug/L	<5	<5			<5	<5	<10	<5	<5	<5	<5			<10	<5	<5
Acrylonitrile	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2021-05	ug/L																
Acrylonitrile	2021-08	ug/L																
Acrylonitrile	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2021-12	ug/L																
Acrylonitrile	2022-02	ug/L	<5		<5	<5												
Acrylonitrile	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2022-07	ug/L			<5	<5												
Acrylonitrile	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2023-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2023-05	ug/L			<5													
Acrylonitrile	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Acrylonitrile	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Acrylonitrile	2024-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5
Aldrin	2009-03	ug/L						<0.032	<0.032	<0.032								
Aldrin	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Aldrin	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Aldrin	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Aldrin	2010-03	ug/L					<0.0320				<0.0320			<0.0320				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Acrylonitrile	2010-03	ug/L																
Acrylonitrile	2010-06	ug/L	<10.0	<10.0														
Acrylonitrile	2010-08	ug/L	<10.0	<10.0														
Acrylonitrile	2010-09	ug/L	<10.0	<10.0														
Acrylonitrile	2010-12	ug/L	<10.0	<10.0														
Acrylonitrile	2011-03	ug/L	<10.0	<10.0														
Acrylonitrile	2011-04	ug/L																
Acrylonitrile	2011-06	ug/L																
Acrylonitrile	2011-07	ug/L																
Acrylonitrile	2011-08	ug/L																
Acrylonitrile	2011-09	ug/L	<10.0	<10.0														
Acrylonitrile	2011-12	ug/L																
Acrylonitrile	2012-03	ug/L	<10.0	<10.0														
Acrylonitrile	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
Acrylonitrile	2012-10	ug/L																
Acrylonitrile	2013-03	ug/L	<10.0								<10.0							
Acrylonitrile	2013-06	ug/L			<10.0													
Acrylonitrile	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
Acrylonitrile	2013-11	ug/L			<10.0													
Acrylonitrile	2014-03	ug/L	<10.0		<10.0						<10.0							
Acrylonitrile	2014-06	ug/L		<10.0	<10.0													
Acrylonitrile	2014-09	ug/L	<10	<10	<10						<10							
Acrylonitrile	2014-12	ug/L																
Acrylonitrile	2015-04	ug/L	< 10.0	< 10.0	< 10.0						< 10							
Acrylonitrile	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
Acrylonitrile	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
Acrylonitrile	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
Acrylonitrile	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
Acrylonitrile	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
Acrylonitrile	2017-12	ug/L			<5													
Acrylonitrile	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
Acrylonitrile	2018-07	ug/L								<5								
Acrylonitrile	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Acrylonitrile	2019-01	ug/L								<5								
Acrylonitrile	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Acrylonitrile	2019-05	ug/L		<5						<5								
Acrylonitrile	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Acrylonitrile	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Acrylonitrile	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
Acrylonitrile	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
Acrylonitrile	2021-05	ug/L	<5															
Acrylonitrile	2021-08	ug/L						<5	<5									
Acrylonitrile	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2021-12	ug/L	<5															
Acrylonitrile	2022-02	ug/L						<5	<5									
Acrylonitrile	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2022-07	ug/L																
Acrylonitrile	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2023-05	ug/L																
Acrylonitrile	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Acrylonitrile	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Aldrin	2009-03	ug/L																
Aldrin	2009-06	ug/L																
Aldrin	2009-09	ug/L																
Aldrin	2009-12	ug/L																
Aldrin	2010-03	ug/L																



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Aldrin	2010-06	ug/L										<0.0320						
Aldrin	2010-08	ug/L										<0.0320	<0.0320					
Aldrin	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Aldrin	2010-12	ug/L										<0.0320						
Aldrin	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Aldrin	2011-06	ug/L										<0.0320			<0.0320	<0.0392	<0.0320	
Aldrin	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Aldrin	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
Aldrin	2012-03	ug/L														<0.0320	<0.0320	
Aldrin	2014-12	ug/L															<0.0352	<0.0352
Aldrin	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
Aldrin	2017-10	ug/L																
Aldrin	2017-12	ug/L					<0.0333					<0.0333						<0.0333
Aldrin	2018-07	ug/L											<0.0333					
Aldrin	2018-10	ug/L											<b>0.00708 J</b>					
Aldrin	2019-05	ug/L																
Aldrin	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Aldrin	2021-12	ug/L																
Aldrin	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Aldrin	2023-04	ug/L									<0.064							
Aldrin	2024-04	ug/L											<0.064					
Allyl Chloride	2009-03	ug/L						<2	<2	<2	<2							
Allyl Chloride	2009-06	ug/L					<10.0	<2	<2	<2.00	<2			<2.00				
Allyl Chloride	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Allyl Chloride	2009-12	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Allyl Chloride	2010-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Allyl Chloride	2010-06	ug/L										<10.0						
Allyl Chloride	2010-08	ug/L										<2.00	<2.00					
Allyl Chloride	2010-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
Allyl Chloride	2010-12	ug/L										<10.0						
Allyl Chloride	2011-03	ug/L					<5.00	<4.00	<4.00	<50.0	<4.00	<4.00	<4.00	<4.00	<4.00			
Allyl Chloride	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00						<5.00	
Allyl Chloride	2011-06	ug/L										<4.00			<4.00	<4.00	<4.00	
Allyl Chloride	2011-09	ug/L					<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	
Allyl Chloride	2011-12	ug/L													<2.00	<2.00	<2.00	
Allyl Chloride	2012-03	ug/L												<2.00		<2.00	<2.00	
Allyl Chloride	2014-12	ug/L															<2.00	<2.00
Allyl Chloride	2016-10	ug/L							<2	<2	<2					<2	<2	
Allyl Chloride	2017-10	ug/L						<2										
Allyl Chloride	2017-12	ug/L					<2					<2						<2
Allyl Chloride	2018-07	ug/L											<2					
Allyl Chloride	2018-10	ug/L											<2					
Allyl Chloride	2019-05	ug/L																
Allyl Chloride	2021-10	ug/L							<2	<2	<2					<2	<2	
Allyl Chloride	2021-12	ug/L																
Allyl Chloride	2022-10	ug/L					<2	<2				<2						<2
Allyl Chloride	2024-04	ug/L											<2					
alpha-BHC	2009-03	ug/L						<0.032	<0.032	<0.032								
alpha-BHC	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
alpha-BHC	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
alpha-BHC	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
alpha-BHC	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
alpha-BHC	2010-06	ug/L										<0.0320						
alpha-BHC	2010-08	ug/L										<0.0320	<0.0320					
alpha-BHC	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
alpha-BHC	2010-12	ug/L										<0.0320						
alpha-BHC	2011-03	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
alpha-BHC	2011-06	ug/L										<0.0320		<0.0320	<0.0392	<0.0320		

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Aldrin	2010-06	ug/L																
Aldrin	2010-08	ug/L																
Aldrin	2010-09	ug/L																
Aldrin	2010-12	ug/L																
Aldrin	2011-03	ug/L																
Aldrin	2011-06	ug/L																
Aldrin	2011-09	ug/L																
Aldrin	2011-12	ug/L																
Aldrin	2012-03	ug/L																
Aldrin	2014-12	ug/L																
Aldrin	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Aldrin	2017-10	ug/L																
Aldrin	2017-12	ug/L			<0.0333													
Aldrin	2018-07	ug/L								<0.0323								
Aldrin	2018-10	ug/L								<0.033								
Aldrin	2019-05	ug/L		<0.0327														
Aldrin	2021-10	ug/L																
Aldrin	2021-12	ug/L	<0.0337															
Aldrin	2022-10	ug/L			<0.0542													
Aldrin	2023-04	ug/L	<0.064															
Aldrin	2024-04	ug/L		<0.064														
Allyl Chloride	2009-03	ug/L																
Allyl Chloride	2009-06	ug/L																
Allyl Chloride	2009-09	ug/L																
Allyl Chloride	2009-12	ug/L																
Allyl Chloride	2010-03	ug/L																
Allyl Chloride	2010-06	ug/L																
Allyl Chloride	2010-08	ug/L																
Allyl Chloride	2010-09	ug/L																
Allyl Chloride	2010-12	ug/L																
Allyl Chloride	2011-03	ug/L																
Allyl Chloride	2011-04	ug/L																
Allyl Chloride	2011-06	ug/L																
Allyl Chloride	2011-09	ug/L																
Allyl Chloride	2011-12	ug/L																
Allyl Chloride	2012-03	ug/L																
Allyl Chloride	2014-12	ug/L																
Allyl Chloride	2016-10	ug/L									<2					<2	<2	
Allyl Chloride	2017-10	ug/L																
Allyl Chloride	2017-12	ug/L			<2													
Allyl Chloride	2018-07	ug/L								<2								
Allyl Chloride	2018-10	ug/L								<2								
Allyl Chloride	2019-05	ug/L		<2														
Allyl Chloride	2021-10	ug/L																
Allyl Chloride	2021-12	ug/L	<2															
Allyl Chloride	2022-10	ug/L			<2													
Allyl Chloride	2024-04	ug/L		<2														
alpha-BHC	2009-03	ug/L																
alpha-BHC	2009-06	ug/L																
alpha-BHC	2009-09	ug/L																
alpha-BHC	2009-12	ug/L																
alpha-BHC	2010-03	ug/L																
alpha-BHC	2010-06	ug/L																
alpha-BHC	2010-08	ug/L																
alpha-BHC	2010-09	ug/L																
alpha-BHC	2010-12	ug/L																
alpha-BHC	2011-03	ug/L																
alpha-BHC	2011-06	ug/L																

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alpha-BHC	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
alpha-BHC	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
alpha-BHC	2012-03	ug/L														<0.0320	<0.0320	
alpha-BHC	2014-12	ug/L															<b>0.00314</b>	
alpha-BHC	2016-10	ug/L						<0.033	<0.032	<b>0.00362 J</b>						<0.033	<0.033	
alpha-BHC	2017-10	ug/L						<b>0.00573 J</b>										
alpha-BHC	2017-12	ug/L					<0.0333				<b>0.00235 J</b>							<0.0333
alpha-BHC	2018-07	ug/L											<b>0.00771 J</b>					
alpha-BHC	2018-10	ug/L											<0.033					
alpha-BHC	2019-05	ug/L																
alpha-BHC	2021-10	ug/L						<0.0337	<0.0337	<0.0337						<0.0337	<0.0337	
alpha-BHC	2021-12	ug/L																
alpha-BHC	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
alpha-BHC	2023-04	ug/L									<0.064							
alpha-BHC	2024-04	ug/L											<0.064					
Anthracene	2009-03	ug/L						<10	<10	<10								
Anthracene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Anthracene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Anthracene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Anthracene	2010-03	ug/L					<10.0				<10.0			<10.0				
Anthracene	2010-06	ug/L										<10.0						
Anthracene	2010-08	ug/L										<10.0	<10.0					
Anthracene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Anthracene	2010-12	ug/L										<10.0						
Anthracene	2011-03	ug/L											<10.0	<10.0				
Anthracene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Anthracene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Anthracene	2011-12	ug/L													<10.0	<10.0	<10.0	
Anthracene	2012-03	ug/L														<10.0	<10.0	
Anthracene	2014-12	ug/L															<10.2	
Anthracene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Anthracene	2017-10	ug/L						<10.5										
Anthracene	2017-12	ug/L					<10.6					<10.4						<10.4
Anthracene	2018-07	ug/L											<10.4					
Anthracene	2018-10	ug/L											<10.4					
Anthracene	2019-05	ug/L																
Anthracene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Anthracene	2021-12	ug/L																
Anthracene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Anthracene	2024-04	ug/L											<10.6					
Antimony	2008-01	mg/L					<0.006	<0.006	<0.00600	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Antimony	2008-03	mg/L					<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
Antimony	2008-08	mg/L					<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Antimony	2008-09	mg/L					<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Antimony	2008-10	mg/L					<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Antimony	2009-03	mg/L					<0.006	<0.006	<0.012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Antimony	2009-06	mg/L					<0.00600	<0.006	<0.006	<0.00600	<0.006			<0.00600				
Antimony	2009-09	mg/L					<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
Antimony	2009-12	mg/L					<0.00600	<0.00600	<0.00600	<0.00600	<0.00600			<0.00600				
Antimony	2010-03	mg/L					<0.00600	<0.0300	<0.0300	<0.00600	<0.00600		<0.0120	<0.00600	<0.00600			
Antimony	2010-06	mg/L											<0.00600			<0.00600	<0.00600	<0.00600
Antimony	2010-08	mg/L										<0.00600	<0.00600			<0.00600	<0.00600	<0.00600
Antimony	2010-09	mg/L					<b>0.0118</b>	<b>0.00863</b>	<b>0.00913</b>	<0.00600	<0.00600	<b>0.0107</b>	<b>0.0192</b>	<0.00600	<b>0.00859</b>	<0.00600	<b>0.0111</b>	<0.00600
Antimony	2010-12	mg/L											<0.00600			<0.00600	<0.00600	<0.00600
Antimony	2011-03	mg/L		<0.00600			<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600
Antimony	2011-06	mg/L		<0.00600									<0.00600		<0.00600	<0.00600	<0.00600	
Antimony	2011-07	mg/L	<0.00600															
Antimony	2011-08	mg/L		<0.00600														

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alpha-BHC	2011-09	ug/L																
alpha-BHC	2011-12	ug/L																
alpha-BHC	2012-03	ug/L																
alpha-BHC	2014-12	ug/L																
alpha-BHC	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
alpha-BHC	2017-10	ug/L																
alpha-BHC	2017-12	ug/L			<0.0333													
alpha-BHC	2018-07	ug/L								<0.0323								
alpha-BHC	2018-10	ug/L								<0.033								
alpha-BHC	2019-05	ug/L		<0.0327														
alpha-BHC	2021-10	ug/L																
alpha-BHC	2021-12	ug/L	0.0174 J															
alpha-BHC	2022-10	ug/L			<0.0542													
alpha-BHC	2023-04	ug/L	<0.064															
alpha-BHC	2024-04	ug/L		<0.064														
Anthracene	2009-03	ug/L																
Anthracene	2009-06	ug/L																
Anthracene	2009-09	ug/L																
Anthracene	2009-12	ug/L																
Anthracene	2010-03	ug/L																
Anthracene	2010-06	ug/L																
Anthracene	2010-08	ug/L																
Anthracene	2010-09	ug/L																
Anthracene	2010-12	ug/L																
Anthracene	2011-03	ug/L																
Anthracene	2011-06	ug/L																
Anthracene	2011-09	ug/L																
Anthracene	2011-12	ug/L																
Anthracene	2012-03	ug/L																
Anthracene	2014-12	ug/L																
Anthracene	2016-10	ug/L									<10.4					<10.3	<10.2	
Anthracene	2017-10	ug/L																
Anthracene	2017-12	ug/L			<10.4													
Anthracene	2018-07	ug/L								<10.1								
Anthracene	2018-10	ug/L								<10.3								
Anthracene	2019-05	ug/L		<10.1														
Anthracene	2021-10	ug/L																
Anthracene	2021-12	ug/L	<10.5															
Anthracene	2022-10	ug/L			<8.77													
Anthracene	2024-04	ug/L		<10.2														
Antimony	2008-01	mg/L																
Antimony	2008-03	mg/L																
Antimony	2008-08	mg/L																
Antimony	2008-09	mg/L																
Antimony	2008-10	mg/L																
Antimony	2009-03	mg/L																
Antimony	2009-06	mg/L																
Antimony	2009-09	mg/L																
Antimony	2009-12	mg/L																
Antimony	2010-03	mg/L																
Antimony	2010-06	mg/L	<0.00600	<0.00600														
Antimony	2010-08	mg/L	<0.00600	<0.00600														
Antimony	2010-09	mg/L	0.00962	<0.00600														
Antimony	2010-12	mg/L	<0.00600	<0.00600														
Antimony	2011-03	mg/L	<0.00600	<0.00600														
Antimony	2011-06	mg/L																
Antimony	2011-07	mg/L																
Antimony	2011-08	mg/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Antimony	2011-09	mg/L	<0.00600	<0.00600			<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		<0.00600	<0.00600	<0.00600	<0.00600	<0.00600
Antimony	2011-12	mg/L	<0.00600	<0.00600											<0.00600	<0.00600	<0.00600	
Antimony	2012-03	mg/L	<0.00600	<0.00600			<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600
Antimony	2012-04	mg/L																
Antimony	2012-06	mg/L																
Antimony	2012-10	mg/L	<0.0120	<0.00600			<0.0120	<0.00600	<0.00600	<0.00600	<0.00600			<0.0120	<0.00600	<0.0120	<0.00600	<0.00600
Antimony	2013-03	mg/L	<0.00600	<0.00600			<b>0.000674</b>	<b>0.00349</b>	<0.00600	<0.00600	<0.00600	<0.00600		<0.00600	<0.00600	<0.00600	<b>0.00165</b>	<0.00600
Antimony	2013-06	mg/L																
Antimony	2013-09	mg/L	<b>0.00192</b>	<0.00600			<b>0.00195</b>	<b>0.00743</b>	<b>0.00196</b>	<b>0.00206</b>	<b>0.00298</b>	<b>0.00300</b>		<b>0.00231</b>	<0.00600	<0.00600	<b>0.00450</b>	<b>0.00119</b>
Antimony	2013-11	mg/L																
Antimony	2014-03	mg/L	<0.00600	<0.0120			<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0120
Antimony	2014-06	mg/L																
Antimony	2014-09	mg/L	<0.001	<0.001			<0.00100	<0.00100	<0.00100	<b>0.000185</b>	<0.001	<b>0.000178</b>	<0.001	<0.00100	<0.00100	<0.00100	<0.00100	<0.001
Antimony	2014-12	mg/L																<0.00100
Antimony	2015-04	mg/L	<0.00100	<0.001			<0.001	<0.00100	<0.001	<0.001	<0.001	<0.00100	<0.00100			<b>0.000228</b>	<0.001	<0.001
Antimony	2015-10	mg/L	<0.006	<b>0.000192 J</b>			<0.006	<0.006	<0.006	<b>0.000216 J</b>	<0.006	<0.006				<0.006	<0.006	<0.006
Antimony	2016-04	mg/L	<0.001	<0.001			<b>0.00035 J</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	2016-10	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
Antimony	2017-03	mg/L	<0.001	<0.001			<0.001	<0.001	<b>0.000291 J</b>	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Antimony	2017-10	mg/L	<0.001	<b>0.000222 J</b>			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Antimony	2017-12	mg/L					<b>0.000266 J</b>											<0.001
Antimony	2018-04	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
Antimony	2018-07	mg/L																<0.001
Antimony	2018-10	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<b>0.0579 e</b>	<0.001	<b>0.00073 J</b>	<0.001			<0.001	<0.001	<0.001
Antimony	2019-01	mg/L																
Antimony	2019-03	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
Antimony	2019-05	mg/L																
Antimony	2019-10	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
Antimony	2020-03	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
Antimony	2020-09	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<b>0.00113</b>	<0.001	<0.001
Antimony	2020-11	mg/L	<0.001															
Antimony	2020-12	mg/L	<0.001															
Antimony	2021-03	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
Antimony	2021-05	mg/L																
Antimony	2021-08	mg/L																
Antimony	2021-10	mg/L	<0.002	<b>0.00111 J</b>	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
Antimony	2021-12	mg/L																
Antimony	2022-02	mg/L	<0.002		<0.002	<0.002												
Antimony	2022-04	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<b>0.000937 J</b>	<0.002	<0.002
Antimony	2022-07	mg/L			<0.002	<0.002												
Antimony	2022-10	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
Antimony	2023-04	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
Antimony	2023-05	mg/L			<0.002													
Antimony	2023-10	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<b>0.00193 J</b>	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<b>0.00192 J</b>	<0.002
Antimony	2024-04	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
Antimony	2024-05	mg/L																
Antimony	2024-09	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
Arsenic	2008-01	mg/L					<b>0.00161</b>	<0.001	<b>0.00501</b>	<b>0.0126</b>	<b>0.00315</b>	<b>0.0082</b>	<b>0.00108</b>	<b>0.0148</b>	<b>0.0038</b>			
Arsenic	2008-03	mg/L					<0.00100	<0.00300	<b>0.00203</b>	<b>0.00550</b>	<0.00100	<0.00100	<0.00100	<b>0.00146</b>	<0.00100			
Arsenic	2008-08	mg/L					<b>0.00147</b>	<0.001	<b>0.0062</b>	<b>0.00798</b>	<b>0.00443</b>	<b>0.00242</b>	<0.001	<b>0.00769</b>	<b>0.00191</b>			
Arsenic	2008-09	mg/L					<b>0.00183</b>	<0.001	<b>0.00715</b>	<b>0.0117</b>	<b>0.00303</b>	<0.001	<0.001	<0.001	<0.001			
Arsenic	2008-10	mg/L					<0.005	<0.005	<0.005	<b>0.0078</b>	<0.005	<0.005	<0.001	<b>0.00131</b>	<0.001			
Arsenic	2009-03	mg/L					<b>0.00247</b>	<b>0.00107</b>	<b>0.00791</b>	<b>0.0103</b>	<b>0.00264</b>	<0.001	<0.001	<b>0.00105</b>	<0.001			
Arsenic	2009-06	mg/L					<b>0.00481</b>	<b>0.00172</b>	<b>0.0107</b>	<b>0.0128</b>	<b>0.00444</b>			<b>0.00354</b>				
Arsenic	2009-09	mg/L					<b>0.00211</b>	<b>0.00125</b>	<b>0.00743</b>	<b>0.00848</b>	<b>0.00400</b>	<b>0.00338</b>	<b>0.00104</b>	<b>0.00333</b>	<0.00100			
Arsenic	2009-12	mg/L					<b>0.00215</b>	<0.00100	<b>0.0104</b>	<b>0.0102</b>	<b>0.00408</b>			<0.00100				
Arsenic	2010-03	mg/L					<0.00100	<0.00400	<b>0.00500</b>	<b>0.00614</b>	<b>0.00277</b>	<0.00100	<0.00400	<0.00100	<0.00400			
Arsenic	2010-06	mg/L										<0.00100				<b>0.0123</b>	<b>0.00448</b>	<0.00100

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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Antimony	2011-09	mg/L	<0.00600	<0.00600														
Antimony	2011-12	mg/L																
Antimony	2012-03	mg/L	<0.00600	<0.00600														
Antimony	2012-04	mg/L									<0.00600	<0.00600		<0.00600		<0.00600	<0.00600	
Antimony	2012-06	mg/L									<0.0120	<0.00600		<0.00600		<0.0120	<0.00600	
Antimony	2012-10	mg/L									<0.00600			<0.00600		<0.00600	<0.00600	
Antimony	2013-03	mg/L	<b>0.00144</b>								<0.00600					<0.00600	<0.00600	
Antimony	2013-06	mg/L			<0.00600													
Antimony	2013-09	mg/L	<b>0.00181</b>	<b>0.00134</b>	<0.00600						<0.00600					<b>0.00506</b>	<0.00600	
Antimony	2013-11	mg/L			<0.00600													
Antimony	2014-03	mg/L	<0.00600		<0.00600						<0.00600					<0.0120	<0.00600	
Antimony	2014-06	mg/L		<0.00600	<b>0.00373</b>													
Antimony	2014-09	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Antimony	2014-12	mg/L																
Antimony	2015-04	mg/L	<0.00100	<0.00100	<0.00100						<b>0.000486</b>					<0.00100	<0.00100	
Antimony	2015-10	mg/L	<0.006	<0.006	<0.006						<0.006					<0.006	<0.006	
Antimony	2016-04	mg/L	<0.001	<0.001	<0.001						<b>0.000689 J</b>					<0.001	<0.001	
Antimony	2016-10	mg/L	<0.001	<0.001	<0.001						<b>0.000688 J</b>					<0.001	<0.001	
Antimony	2017-03	mg/L	<0.001	<0.001	<0.001						<b>0.000373 J</b>					<0.001	<0.001	
Antimony	2017-10	mg/L	<0.001	<0.001	<0.001						<b>0.000433 J</b>					<0.001	<b>0.000186 J</b>	
Antimony	2017-12	mg/L			<0.001													
Antimony	2018-04	mg/L	<0.001	<0.001	<0.001						<b>0.00129</b>					<0.001	<0.001	
Antimony	2018-07	mg/L								<0.001								
Antimony	2018-10	mg/L	<0.001	<0.001	<0.001					<b>0.000619 J</b>	<b>0.0023</b>					<0.001	<0.001	
Antimony	2019-01	mg/L								<0.001								
Antimony	2019-03	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Antimony	2019-05	mg/L		<0.003						<0.003								
Antimony	2019-10	mg/L	<0.001	<0.001	<0.001					<b>0.00165</b>	<b>0.00152</b>					<0.001	<0.001	
Antimony	2020-03	mg/L	<0.001	<0.001	<0.001					<0.001	<b>0.000743 J</b>					<0.001	<0.001	
Antimony	2020-09	mg/L	<0.001	<0.001	<0.001					<0.001	<b>0.00115</b>					<0.001	<0.001	
Antimony	2020-11	mg/L																
Antimony	2020-12	mg/L																
Antimony	2021-03	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<b>0.00189 J</b>					<0.002	<0.002	
Antimony	2021-05	mg/L	<0.002															
Antimony	2021-08	mg/L						<0.002	<0.002									
Antimony	2021-10	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002							
Antimony	2021-12	mg/L	<0.002															
Antimony	2022-02	mg/L						<b>0.00191 J</b>	<0.002									
Antimony	2022-04	mg/L	<0.014	<0.002	<0.002			<0.002	<0.002	<0.002	<b>0.00109 J</b>							
Antimony	2022-07	mg/L																
Antimony	2022-10	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002							
Antimony	2023-04	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002							
Antimony	2023-05	mg/L																
Antimony	2023-10	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<b>0.0011 J</b>							
Antimony	2024-04	mg/L	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002							
Antimony	2024-05	mg/L						<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	2024-09	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
Arsenic	2008-01	mg/L																
Arsenic	2008-03	mg/L																
Arsenic	2008-08	mg/L																
Arsenic	2008-09	mg/L																
Arsenic	2008-10	mg/L																
Arsenic	2009-03	mg/L																
Arsenic	2009-06	mg/L																
Arsenic	2009-09	mg/L																
Arsenic	2009-12	mg/L																
Arsenic	2010-03	mg/L																
Arsenic	2010-06	mg/L	<0.00100	<0.00100														

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Arsenic	2010-08	mg/L																
Arsenic	2010-08	mg/L																
Arsenic	2010-09	mg/L					<0.00400	<0.00800	0.00862	0.0139	<0.00300	<0.00100	<0.00100	<0.00100	<0.00100	0.0166	0.00352	<0.00100
Arsenic	2010-12	mg/L											<0.00300			0.0188	<0.00300	<0.00100
Arsenic	2011-03	mg/L		<0.00100			<0.00100	<0.00200	0.00409	0.00567	<0.00100	<0.00200	<0.00300	<0.00100	<0.00200	0.0135	0.00734	<0.00100
Arsenic	2011-06	mg/L		<0.00100									<0.00400	<0.00100		0.00520	0.00442	<0.0400
Arsenic	2011-07	mg/L	0.00227													0.0122	0.00398	
Arsenic	2011-08	mg/L		<0.00100														
Arsenic	2011-09	mg/L	0.0133	<0.00100			<0.00100	<0.00100	0.00683	0.00838	0.00251	<0.00200		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Arsenic	2011-12	mg/L	0.0103	<0.00100											<0.00200	0.00877	0.00599	
Arsenic	2012-03	mg/L	0.0106	0.00228			<0.00100	<0.00200	0.00636	0.00376	<0.00100	<0.00600	<0.00300	<0.00100	<0.00200	0.0101	0.00500	<0.00200
Arsenic	2012-04	mg/L																
Arsenic	2012-06	mg/L																
Arsenic	2012-10	mg/L	0.0110	<0.00100			0.00126	<0.00100	0.00762	0.0121	0.00177			<0.00100	<0.00100	0.0174	0.00921	0.00144
Arsenic	2013-03	mg/L	0.000711	<0.00100			<0.00100	<0.00100	0.00755	0.0117	0.00122	<0.00100		<0.00100	<0.00100	<0.00100	0.00600	0.00274
Arsenic	2013-06	mg/L																
Arsenic	2013-09	mg/L	0.0232	<0.00100			0.00190	0.000276	0.0107	0.0112	0.00134	<0.00100		<0.00100	<0.00100	0.00847	0.00703	<0.00100
Arsenic	2013-11	mg/L																
Arsenic	2014-03	mg/L	0.00942	<0.00100			<0.00100	<0.00200	0.00370	0.00626	<0.00100	<0.00200	<0.00200	0.00205	<0.00200	<0.00100	0.00631	<0.00100
Arsenic	2014-06	mg/L																
Arsenic	2014-09	mg/L	0.0112	<0.002			0.00190	0.00128	0.00579	0.0105	0.00309	<0.002	<0.002	0.00265	<0.00200	<0.00200	0.00882	<0.002
Arsenic	2014-12	mg/L															0.0119	
Arsenic	2015-04	mg/L	0.00215	<0.002			0.00187	0.00136	0.00656	0.00943	0.00224	<0.002	<0.00200		<0.00200		0.0108	<0.002
Arsenic	2015-10	mg/L	0.0242	<0.002			0.00328	0.00233	0.0125	0.0136	0.00465	<0.002				0.00374	0.0101	<0.002
Arsenic	2016-04	mg/L	0.00226	<0.002			0.00131 J	0.000864 J	0.00485	0.008725	0.00306	<0.002	<0.002			<0.002	0.0099	<0.002
Arsenic	2016-10	mg/L	0.00824	<0.002			0.0184	0.00413	0.0143	0.00978	0.00328	0.000682 J	<0.002			0.00458	0.00917	<0.002
Arsenic	2017-03	mg/L	0.0042	0.00216			0.00348	0.000967 J	0.00322	0.00534	0.0028	<0.002	<0.002			0.00149 J	0.00437	<0.002
Arsenic	2017-06	mg/L	0.00713	0.00385			0.00271											
Arsenic	2017-10	mg/L	0.00447	0.00117 J			0.00473	0.00193 J	0.00673	0.00689	0.0034	0.000832 J				0.0032	0.00807	<0.002
Arsenic	2017-12	mg/L					0.00751					0.000537 J						0.000828 J
Arsenic	2018-04	mg/L	0.00238	0.00191 J	0.00287		0.002	0.000801 J	0.00841	0.00424	0.00282	0.000571 J	<0.002			0.000774 J	0.00525	0.000602 J
Arsenic	2018-07	mg/L											<0.002					
Arsenic	2018-10	mg/L	0.0046	<0.002			0.00368	0.0015 J	0.00801	<0.002	0.00569	0.000825 J	0.000619 J			0.00206	0.00575	0.000826 J
Arsenic	2019-01	mg/L																
Arsenic	2019-03	mg/L	0.00173 J	<0.002			0.00455	0.00112 J	0.00613	0.00841	0.003	<0.002	<0.002			<0.002	0.00947	<0.002
Arsenic	2019-05	mg/L																
Arsenic	2019-10	mg/L	0.00552	<0.002			0.0013 J	0.000871 J	0.00547	0.00498	0.00307	<0.002	<0.002			<0.002	0.00794	0.000975 J
Arsenic	2020-03	mg/L	0.00864	0.00415			0.00152 J	<0.002	0.00316	0.00371	0.00321	<0.002	<0.002			<0.002	0.00707	<0.002
Arsenic	2020-09	mg/L	0.044	<0.002			0.000951 J	<0.002	0.00298	0.00604	0.00311	<0.002	<0.002			0.00155 J	0.00797	<0.002
Arsenic	2020-11	mg/L	0.0789															
Arsenic	2020-12	mg/L	0.0263															
Arsenic	2021-03	mg/L	0.0077	0.0069			<0.002	<0.002	0.00166 J	0.00551	0.00302	<0.002	0.00152 J			<0.002	0.00628	<0.002
Arsenic	2021-05	mg/L																
Arsenic	2021-08	mg/L																
Arsenic	2021-10	mg/L	0.023	0.00158 J	0.00455		0.00158 J	0.00186 J	0.00511	0.0105	0.00312	<0.002	<0.002			0.00257	0.0113	0.00126 J
Arsenic	2021-12	mg/L																
Arsenic	2022-02	mg/L	0.00209		0.00316	0.00175 J												
Arsenic	2022-04	mg/L	0.00213	0.00104 J	0.00269	0.00197 J	<0.002	<0.002	0.000885 J	0.00382	0.00337	<0.002	0.00516			<0.002	0.00495	<0.002
Arsenic	2022-07	mg/L			0.00235	0.00309												
Arsenic	2022-10	mg/L	0.0154	0.0264	0.00279	0.00228	0.0048	<0.002	0.00249	0.00711	0.00262	<0.002				0.00175 J	0.00743	0.00212
Arsenic	2022-12	mg/L		0.000983 J														
Arsenic	2023-04	mg/L	0.00862	0.00185 J		0.00295	0.00134 J	0.000751 J	0.00181 J	0.00435	0.00329	0.000596 J	0.00292			0.000895 J	0.00291	0.000756 J
Arsenic	2023-05	mg/L			0.00231													
Arsenic	2023-10	mg/L	0.0103	0.000902 J	0.00225	0.00255	0.00147 J	0.00174 J	0.00313	0.0208	0.00272	0.000677 J				0.00307	0.0101	0.000787 J
Arsenic	2024-04	mg/L	0.00735	0.00238	0.00181 J	0.00213	0.00124 J	<0.002	0.000845 J	0.00296	0.00281	0.000746 J	0.0111			<0.002	0.00467	0.000745 J
Arsenic	2024-05	mg/L											0.021					
Arsenic	2024-09	mg/L	0.00243	0.00104 J	0.00171 J	0.00211	0.00128 J	0.000987 J	0.000918 J	0.00554	0.00387	0.000589 J	0.01			0.00059 J	0.00868	0.000793 J
Barium	2008-01	mg/L					0.247	0.0424	0.0692	1.61	0.809	0.179	0.176	0.408	0.561			

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Table 19  
Analytical Data Summary  
2024 Annual Water Quality Report

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Arsenic	2010-08	mg/L		<0.00100														
Arsenic	2010-08	mg/L	<0.00100															
Arsenic	2010-09	mg/L	<0.00100	<0.00100														
Arsenic	2010-12	mg/L	<0.00100	<0.00100														
Arsenic	2011-03	mg/L	<0.00100	<0.00100														
Arsenic	2011-06	mg/L																
Arsenic	2011-07	mg/L																
Arsenic	2011-08	mg/L																
Arsenic	2011-09	mg/L	<0.00100	<0.00100														
Arsenic	2011-12	mg/L																
Arsenic	2012-03	mg/L	<0.00100	<0.00100														
Arsenic	2012-04	mg/L									0.0434	0.00133		0.00205		0.00140	<0.00200	
Arsenic	2012-06	mg/L									0.0221	<0.00200		<0.00100		<0.00100	<0.00100	
Arsenic	2012-10	mg/L									0.00138			0.00132		<0.00100	<0.00100	
Arsenic	2013-03	mg/L	<0.00100								0.0314					0.00209	0.000416	
Arsenic	2013-06	mg/L					0.00117											
Arsenic	2013-09	mg/L	0.00170	0.000214	0.00215						0.0237					0.00614	0.000399	
Arsenic	2013-11	mg/L					0.00460											
Arsenic	2014-03	mg/L	<0.00100		<0.00100						0.00272					0.000613	<0.00100	
Arsenic	2014-06	mg/L		<0.00100	0.00511													
Arsenic	2014-09	mg/L	<0.002	<0.002	0.00102						0.00221					0.00185	0.00112	
Arsenic	2014-12	mg/L																
Arsenic	2015-04	mg/L	<0.00200	<0.00200	<0.00200						0.00116					<0.00200	<0.00200	
Arsenic	2015-10	mg/L	<0.002	<0.002	<0.002						<0.002					<0.002	<0.002	
Arsenic	2016-04	mg/L	<0.002	<0.002	<0.002						0.000805 J					<0.002	<0.002	
Arsenic	2016-10	mg/L	0.00118 J	0.000729 J	0.00115 J						0.000693 J					<0.002	<0.002	
Arsenic	2017-03	mg/L	<0.002	<0.002	<0.002						0.000538 J					<0.002	<0.002	
Arsenic	2017-06	mg/L																
Arsenic	2017-10	mg/L	<0.002	<0.002	<0.002						0.00103 J					<0.002	<0.002	
Arsenic	2017-12	mg/L																
Arsenic	2018-04	mg/L	<0.002	<0.002	<0.002													
Arsenic	2018-07	mg/L									0.00147 J							
Arsenic	2018-10	mg/L	<0.002	0.0019 J	<0.002						0.00241	0.00166 J				<0.002	<0.002	
Arsenic	2019-01	mg/L									0.0015 J							
Arsenic	2019-03	mg/L	<0.002	<0.002	<0.002						0.00114 J	0.00176				<0.002	<0.002	
Arsenic	2019-05	mg/L		0.0011							0.00126							
Arsenic	2019-10	mg/L	<0.002	<0.002	<0.002						<0.004	0.00128 J				<0.002	<0.002	
Arsenic	2020-03	mg/L	<0.002	<0.002	<0.002						0.00197 J	0.00159 J				<0.002	<0.002	
Arsenic	2020-09	mg/L	<0.002	<0.002	<0.002						<0.002	0.00103 J				<0.002	<0.002	
Arsenic	2020-11	mg/L																
Arsenic	2020-12	mg/L																
Arsenic	2021-03	mg/L	0.00212	<0.002	<0.002			0.00174 J	<0.002	0.00103 J	0.00116 J					<0.002	<0.002	
Arsenic	2021-05	mg/L	0.00492 e															
Arsenic	2021-08	mg/L						0.00302	<0.002									
Arsenic	2021-10	mg/L	0.00193 J	<0.002	<0.002			0.00423	0.00106 J	0.00155 J	0.0028							
Arsenic	2021-12	mg/L	0.00306															
Arsenic	2022-02	mg/L						0.0126	0.000868 J									
Arsenic	2022-04	mg/L	<0.014	<0.002	<0.002			<0.002	<0.002	0.000938 J	<0.002							
Arsenic	2022-07	mg/L																
Arsenic	2022-10	mg/L	0.0085	0.000847 J	<0.002			<0.002	<0.002	0.00143 J	0.00305							
Arsenic	2022-12	mg/L																
Arsenic	2023-04	mg/L	<0.002	0.00099 J	<0.002			0.00267	0.000566 J	0.00436	0.00428							
Arsenic	2023-05	mg/L																
Arsenic	2023-10	mg/L	0.00318	0.0012 J	0.00204			0.00421	0.000578 J	0.00335	0.00118 J							
Arsenic	2024-04	mg/L	<0.002	0.000838 J	<0.002			0.00868	<0.002	0.00866	0.00123 J							
Arsenic	2024-05	mg/L						0.00618										0.00105 J
Arsenic	2024-09	mg/L	<0.002	0.000626 J	<0.002			<0.002	<0.002	0.00208	0.000862 J	0.000541 J	0.00163 J	0.000927 J	0.00079 J	<0.002	<0.002	0.00106 J
Barium	2008-01	mg/L																



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Barium	2008-03	mg/L					0.136	0.0310	0.0587	0.791	0.706	0.0446	0.142	0.365	0.470			
Barium	2008-08	mg/L					0.283	0.0458	0.0634	1.47	0.905	0.124	0.142	0.489	0.54			
Barium	2008-09	mg/L					0.29	0.0348	0.0636	1.57	0.831	0.111	0.211	0.423	0.332			
Barium	2008-10	mg/L					0.326	0.0457	0.0675	1.85	0.85	0.0312	0.177	0.29	0.244			
Barium	2009-03	mg/L					0.312	0.0355	0.0638	1.57	0.828	0.0226	0.167	0.261	0.353			
Barium	2009-06	mg/L					0.262	0.0282	0.0697	1.72	0.727			0.321				
Barium	2009-09	mg/L					0.294	0.0508	0.0925	1.46	0.777	0.0344	0.0683	0.446	0.445			
Barium	2009-12	mg/L					0.221	0.0339	0.101	1.13	0.745			0.423				
Barium	2010-03	mg/L					0.173	0.0303	0.101	1.42	0.951	0.0458	0.0709	0.375	0.347			
Barium	2010-06	mg/L										0.0404				0.555	0.138	0.121
Barium	2010-08	mg/L										0.0279	0.0846			0.552	0.144	0.118
Barium	2010-09	mg/L					0.196	0.0378	0.156	1.64	0.777	0.0276	0.0924	0.432	0.486	0.588	0.142	0.120
Barium	2010-12	mg/L										0.0205			0.746	0.0803	0.139	
Barium	2011-03	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	0.0564
Barium	2011-06	mg/L		0.308									0.0624		0.383	0.397	0.0863	
Barium	2011-07	mg/L	0.207															
Barium	2011-08	mg/L		0.184														
Barium	2011-09	mg/L	0.250	0.188			0.227	0.0564	0.247	1.72	0.859	0.0249		0.454	0.451	0.633	0.0734	0.0944
Barium	2011-12	mg/L	0.205	0.337											0.439	0.480	0.0770	
Barium	2012-03	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	0.0386
Barium	2012-04	mg/L																
Barium	2012-06	mg/L																
Barium	2012-10	mg/L	0.306	0.158			0.276	0.0605	0.328	1.52	0.871			0.714	0.339	0.654	0.0781	0.0633
Barium	2013-03	mg/L	0.217	0.259			0.286	0.0571	0.322	1.64	0.898	0.0183		0.729	0.491	0.144	0.0720	0.0341
Barium	2013-06	mg/L																
Barium	2013-09	mg/L	0.497	0.126			0.212	0.0923	0.314	1.50	0.869	0.0196		0.854	0.505	0.478	0.0655	0.0265
Barium	2013-11	mg/L																
Barium	2014-03	mg/L	0.552	0.176			0.148	0.0621	0.239	1.13	0.921	0.0408	0.0511	0.508	0.425	0.0356	0.0701	0.00865
Barium	2014-06	mg/L																
Barium	2014-09	mg/L	0.819	0.029			0.127	0.0489	0.226	1.19	0.936	0.0558	0.0803	0.948	0.537	0.0543	0.0733	0.0276
Barium	2014-12	mg/L																0.0726
Barium	2015-04	mg/L	0.441	0.0428			0.0902	0.0606	0.178	1.05	0.946	0.0399	0.0856			0.0511	0.0699	0.0139
Barium	2015-10	mg/L	0.919	0.0369			0.189	0.0795	0.373	1.28	1.08	0.0533				0.234	0.0757	0.0179
Barium	2016-04	mg/L	0.441	0.0545			0.0836	0.0417	0.336	0.98	1.09	0.0519	0.0825			0.0546	0.067	0.0139
Barium	2016-10	mg/L	1	0.0326			0.144	0.0712	0.384	1.03	1.22	0.0797	0.141			0.228	0.109	0.0173
Barium	2017-03	mg/L	0.897	0.0799			0.103	0.059	0.384	0.927	1.02	0.0508	0.221			0.136	0.0757	0.014
Barium	2017-06	mg/L	1.3															
Barium	2017-10	mg/L	1.44	0.0515			0.116	0.0871	0.59	0.973	1.01	0.0476				0.312	0.0698	0.0152
Barium	2017-12	mg/L					0.127					0.0507						0.0181
Barium	2018-04	mg/L	0.58	0.113	0.372		0.164	0.0498	0.686	1.03	1.02	0.0571	0.0441			0.121	0.0598	0.0139
Barium	2018-07	mg/L											0.195					
Barium	2018-10	mg/L	0.527	0.0318			0.1	0.0532	0.58	0.9446	1.06	0.0897	0.133			0.0962	0.0599	0.0168
Barium	2019-01	mg/L																
Barium	2019-03	mg/L	0.331	0.0293			0.16	0.0375	0.273	1.69	1.15	0.0734	0.0322			0.0503	0.0501	0.0112
Barium	2019-05	mg/L																
Barium	2019-10	mg/L	0.517	0.0145			0.102	0.0459	0.105	0.848	0.923	0.0852	0.129			0.0979	0.0609	0.0197
Barium	2020-03	mg/L	0.449	0.0523			0.108	0.0343	0.111	0.879	1.08	0.0628	0.0946			0.0577	0.0594	0.0127
Barium	2020-09	mg/L	0.776	0.0248			0.114	0.0564	0.0503	1.33	1.08	0.0842	0.0953			0.0844	0.0696	0.0147
Barium	2020-11	mg/L	1.11															
Barium	2020-12	mg/L	0.691															
Barium	2021-03	mg/L	0.58	0.0512			0.0735	0.045	0.0668	1.45	1.08	0.0718	0.108			0.0559	0.0692	0.0135
Barium	2021-05	mg/L																
Barium	2021-08	mg/L																
Barium	2021-10	mg/L	0.782	0.0407	0.165		0.142	0.0788	0.0413	1.68	1.01	0.0779	0.104			0.383	0.0793	0.17
Barium	2021-12	mg/L																
Barium	2022-02	mg/L	0.371		0.303	0.267												
Barium	2022-04	mg/L	0.378	0.0522	0.329	0.298	0.0658	0.0474	0.0548	1.09	1.01	0.0968	0.416			0.0488	0.065	0.147
Barium	2022-07	mg/L			0.315	0.298												

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Barium	2008-03	mg/L																
Barium	2008-08	mg/L																
Barium	2008-09	mg/L																
Barium	2008-10	mg/L																
Barium	2009-03	mg/L																
Barium	2009-06	mg/L																
Barium	2009-09	mg/L																
Barium	2009-12	mg/L																
Barium	2010-03	mg/L																
Barium	2010-06	mg/L	<del>0.361</del>	<del>0.114</del>														
Barium	2010-08	mg/L	<del>0.168</del>	<del>0.123</del>														
Barium	2010-09	mg/L	<del>0.184</del>	<del>0.144</del>														
Barium	2010-12	mg/L	<del>0.187</del>	<del>0.111</del>														
Barium	2011-03	mg/L	<del>0.137</del>	<del>0.140</del>														
Barium	2011-06	mg/L																
Barium	2011-07	mg/L																
Barium	2011-08	mg/L																
Barium	2011-09	mg/L	<del>0.197</del>	<del>0.217</del>														
Barium	2011-12	mg/L																
Barium	2012-03	mg/L	<del>0.232</del>	<del>0.141</del>														
Barium	2012-04	mg/L									2.91	<del>0.0685</del>		<del>0.0920</del>		<del>0.236</del>	<del>1.79</del>	
Barium	2012-06	mg/L									2.33	<del>0.0369</del>		<del>0.0956</del>		<del>0.171</del>	<del>1.29</del>	
Barium	2012-10	mg/L									<del>0.253</del>			<del>0.106</del>		<del>0.0780</del>	<del>0.245</del>	
Barium	2013-03	mg/L	<del>0.164</del>								<del>0.780</del>					<del>0.186</del>	<del>0.128</del>	
Barium	2013-06	mg/L			<del>0.127</del>													
Barium	2013-09	mg/L	<del>0.300</del>	<del>0.0751</del>	<del>0.260</del>						<del>0.621</del>					<del>0.241</del>	<del>0.121</del>	
Barium	2013-11	mg/L			<del>0.222</del>													
Barium	2014-03	mg/L	<del>0.0456</del>		<del>0.155</del>						<del>0.289</del>					<del>0.133</del>	<del>0.119</del>	
Barium	2014-06	mg/L		<del>0.0552</del>	<del>0.140</del>													
Barium	2014-09	mg/L	<del>0.0675</del>	<del>0.0684</del>	<del>0.152</del>						<del>0.288</del>					<del>0.0911</del>	<del>0.148</del>	
Barium	2014-12	mg/L																
Barium	2015-04	mg/L	0.0301	0.0611	0.142						0.118					0.0686	0.108	
Barium	2015-10	mg/L	0.0619	0.0518	0.138						0.231					0.0641	0.0864	
Barium	2016-04	mg/L	0.068	0.0494	0.118						0.0419					0.0776	0.102	
Barium	2016-10	mg/L	0.102	0.0975	0.135						0.0387					0.0599	0.133	
Barium	2017-03	mg/L	0.0431	0.0328	0.133						0.142					0.0466	0.115	
Barium	2017-06	mg/L																
Barium	2017-10	mg/L	0.0505	0.0346	0.137						0.125					0.0514	0.0975	
Barium	2017-12	mg/L			0.129													
Barium	2018-04	mg/L	0.0407	0.0524	0.134						0.062					0.0592	0.131	
Barium	2018-07	mg/L									0.392							
Barium	2018-10	mg/L	0.0432	0.036	0.143						0.548	0.0675				0.0595	0.156	
Barium	2019-01	mg/L									0.575							
Barium	2019-03	mg/L	0.0419	0.047	0.156						0.55	0.193				0.0587	0.111	
Barium	2019-05	mg/L		0.0394							0.545							
Barium	2019-10	mg/L	0.0405	0.0459	0.0873						0.53	0.055				0.0485	0.141	
Barium	2020-03	mg/L	0.0305	0.0569	0.0995						0.515	0.152				0.0711	0.132	
Barium	2020-09	mg/L	0.0604	<del>0.206</del>	0.0854						0.526	0.0691				0.0583	0.135	
Barium	2020-11	mg/L																
Barium	2020-12	mg/L																
Barium	2021-03	mg/L	0.236	0.0615	0.0762			0.0541	0.171	0.532	0.0679					0.0797	0.159	
Barium	2021-05	mg/L	0.344															
Barium	2021-08	mg/L						0.0466	0.168									
Barium	2021-10	mg/L	0.0519	0.0587	0.0608			0.0479	0.349	0.497	0.232							
Barium	2021-12	mg/L	0.0631															
Barium	2022-02	mg/L						0.052	0.245									
Barium	2022-04	mg/L	0.0189	0.0474	0.0562			0.0342	0.162	0.405	0.0732							
Barium	2022-07	mg/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Barium	2022-10	mg/L	0.674	0.0561	0.347	0.298	0.154	0.0607	0.0433	1.57	1.09	0.0562				0.232	0.0665	0.154
Barium	2023-04	mg/L	0.401	0.0243		0.285	0.145	0.0517	0.0616	1.13	1.1	0.0516	0.185			0.0872	0.0315	0.0731
Barium	2023-05	mg/L			0.348													
Barium	2023-10	mg/L	0.751	0.0488	0.31	0.308	0.153	0.0738	0.0421	1.39	1.09	0.051				0.042	0.0807	0.116
Barium	2023-12	mg/L				0.325												
Barium	2024-04	mg/L	0.488	0.0442	0.325	0.309	0.0614	0.061	0.0444	0.719	1.06	0.0426	0.249			0.0983	0.0672	0.119
Barium	2024-05	mg/L																
Barium	2024-09	mg/L	0.195	0.00831	0.315	0.303	0.0817	0.0753	0.0417	1.24	1.1	0.0484	0.656			0.205	0.0724	0.121
Benzene	2008-01	ug/L					1.85	<0.5	2.19	5.56	0.84	<0.5	<0.5	0.55	<0.5			
Benzene	2008-03	ug/L					1.34	<0.500	2.84	5.81	0.740	<0.500	<0.500	1.49	<0.500			
Benzene	2008-08	ug/L					2.24	0.28	2.94	6.32	0.78	<0.5	<0.5	1.65	0.16			
Benzene	2008-09	ug/L					2.29	1.12	2.05	5.93	0.87	<0.5	0.24	1.54	0.29			
Benzene	2008-10	ug/L					2.4	1.16	1.64	5.43	0.75	<0.5	<0.5	0.95	<0.5			
Benzene	2009-03	ug/L					2.5	<0.5	1.2	7.59	1.04	<0.5	<0.5	0.67	<0.5			
Benzene	2009-06	ug/L					<2.50	<0.5	2.59	6.78	0.97			1.16				
Benzene	2009-09	ug/L					2.59	1.51	1.97	6.82	0.970	<0.500	<0.500	1.96	<0.500			
Benzene	2009-12	ug/L					1.85	<0.500	2.64	6.94	0.670			1.55				
Benzene	2010-03	ug/L					2.25	0.690	1.96	6.82	1.01	<0.500	<0.500	1.57	0.720			
Benzene	2010-06	ug/L										<0.500				4.03	0.500	<0.500
Benzene	2010-08	ug/L										<0.500	<0.500			4.27	<0.500	<0.500
Benzene	2010-09	ug/L					2.43	0.510	1.81	7.24	0.980	<0.500	<0.500	1.72	0.990	3.80	<0.500	<0.500
Benzene	2010-12	ug/L										<0.500				3.52	<0.500	<0.500
Benzene	2011-03	ug/L		<0.500			2.68	<0.500	1.20	8.60	0.840	<0.500	<0.500	0.560	0.790	3.12	<0.500	<0.500
Benzene	2011-04	ug/L					0.730		1.06	<5.00	0.990						<0.500	
Benzene	2011-06	ug/L		<0.500									<0.500		0.870	3.78	<0.500	
Benzene	2011-07	ug/L	<0.500															
Benzene	2011-08	ug/L		<0.500														
Benzene	2011-09	ug/L	0.630	<0.500			2.54	1.09	2.91	6.90	0.890	<0.500		1.15	0.960	4.72	<0.500	<0.500
Benzene	2011-12	ug/L	0.510	<0.500											0.930	2.99	<0.500	
Benzene	2012-03	ug/L	0.570	<0.500			0.500	<0.500	3.62	6.32	0.970	<0.500	<0.500	1.09	0.560	3.96	<0.500	<0.500
Benzene	2012-06	ug/L																
Benzene	2012-10	ug/L	<0.500	<0.500			2.67	<0.500	1.94	0.530	1.10			2.26	<0.500	1.12	<0.500	<0.500
Benzene	2013-03	ug/L	0.289	<0.500			1.90	<0.500	0.956	5.47	0.842	<0.500		2.07	1.03	<0.500	<0.500	<0.500
Benzene	2013-06	ug/L																
Benzene	2013-09	ug/L	0.483	<0.500			1.69	0.769	5.19	7.57	1.10	<0.500		2.69	1.07	3.54	<0.500	<0.500
Benzene	2013-11	ug/L																
Benzene	2014-03	ug/L	0.344	<0.500			1.13	<0.500	1.04	7.06	0.884	<0.500	<0.500	1.05	0.809	<0.500	0.337	<0.500
Benzene	2014-06	ug/L																
Benzene	2014-09	ug/L	<0.5	<0.5			0.630	0.264	2.46	5.95	0.844	<0.5	<0.5	2.50	1.35	0.276	0.405	<0.5
Benzene	2014-12	ug/L															0.399	
Benzene	2015-04	ug/L	0.458	<0.5			<0.5	<0.500	1.42	6.33	1.04	<0.500	<0.500	0.947	0.862	0.207	<0.5	<0.5
Benzene	2015-10	ug/L	0.551	<0.5			0.243 J	<0.5	2.99	5.36	1.2	<0.5		2.35	0.444 J	1.24	0.202 J	<0.5
Benzene	2016-04	ug/L	0.236 J	<0.5			<0.5	<0.5	1.59	5.36	1.04	<0.5	<0.5	1.08	0.772	1.57	0.286 J	<0.5
Benzene	2016-10	ug/L	0.417 J	<0.5			<0.5	<0.5	1.78	4.96	1.24	0.575	<0.5	1.1	<0.5	1.24	<0.5	<0.5
Benzene	2017-03	ug/L	0.425 J	<0.5			<0.5	0.112 J	0.988	5.78	1.31	<0.5	<0.5	0.663	0.39 J	1.73	<0.5	<0.5
Benzene	2017-10	ug/L	0.202 J	<0.5			<0.5	<0.5	1.08	4.3	1.48	<0.5		0.936	<0.5	1.33	<0.5	<0.5
Benzene	2017-12	ug/L					<0.5					<0.5						<0.5
Benzene	2018-04	ug/L	<0.5	<0.5	<0.5		0.625	<0.5	1.07	5.01	1.04	<0.5	<0.5	0.412 J	<0.5	0.114 J	<0.5	<0.5
Benzene	2018-07	ug/L											<0.5					
Benzene	2018-10	ug/L	0.269 J	<0.5			<0.5	<0.5	2	6.4	1.13	<0.5	<0.5	1.4	<0.5	0.65	<0.5	<0.5
Benzene	2019-01	ug/L																
Benzene	2019-03	ug/L	0.272 J	<0.5			0.568	<0.5	1.05	5.77	1.1	<0.5	<0.5	0.241	<0.5	0.428 J	<0.5	<0.5
Benzene	2019-05	ug/L																
Benzene	2019-10	ug/L	<0.5	<0.5			<0.5	<0.5	1.02	6.47	1.14	<0.5	<0.5			0.655 J	<0.5	<0.5
Benzene	2020-03	ug/L	0.3 J	<0.5			<0.5	<0.5	0.377 J	6.98	1.47	<0.5	<0.5	<0.5	<0.5	0.331 J	<0.5	<0.5
Benzene	2020-09	ug/L	0.454 J	<0.5			<0.5	<0.5	0.393 J	5.51	1.23	<0.5	<0.5	<0.5	<0.5	0.562	<0.5	<0.5
Benzene	2021-03	ug/L	0.368 J	<0.5			<0.5	<0.5	0.321 J	6.12	1.2	<0.5	<0.5	<0.5	<0.5	0.256 J	<0.5	<0.5
Benzene	2021-05	ug/L																

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Barium	2022-10	mg/L	0.0587	0.0495	0.0654			0.0419	0.19	0.472	0.197							
Barium	2023-04	mg/L	0.0295	0.0415	0.0511			0.0237	0.142	0.453	0.174							
Barium	2023-05	mg/L																
Barium	2023-10	mg/L	0.0517	0.0491	0.0616			0.0584	0.247	0.413	0.062							
Barium	2023-12	mg/L																
Barium	2024-04	mg/L	0.0157	0.0523	0.0443			0.0356	0.141	0.352	0.0566							
Barium	2024-05	mg/L						0.0232				0.0464	0.023	0.0567	0.0952			0.187
Barium	2024-09	mg/L	0.0176	0.0412	0.0426			0.018	0.188	0.464	0.0908	0.0537	0.0229	0.0896	0.103	0.0714	0.189	0.207
Benzene	2008-01	ug/L																
Benzene	2008-03	ug/L																
Benzene	2008-08	ug/L																
Benzene	2008-09	ug/L																
Benzene	2008-10	ug/L																
Benzene	2009-03	ug/L																
Benzene	2009-06	ug/L																
Benzene	2009-09	ug/L																
Benzene	2009-12	ug/L																
Benzene	2010-03	ug/L																
Benzene	2010-06	ug/L	<0.500	<0.500														
Benzene	2010-08	ug/L	<0.500	<0.500														
Benzene	2010-09	ug/L	<0.500	<0.500														
Benzene	2010-12	ug/L	<0.500	<0.500														
Benzene	2011-03	ug/L	<0.500	<0.500														
Benzene	2011-04	ug/L																
Benzene	2011-06	ug/L																
Benzene	2011-07	ug/L																
Benzene	2011-08	ug/L																
Benzene	2011-09	ug/L	<0.500	<0.500														
Benzene	2011-12	ug/L																
Benzene	2012-03	ug/L	<0.500	<0.500														
Benzene	2012-06	ug/L									<0.500	<0.500		<0.500		<0.500	<0.500	
Benzene	2012-10	ug/L																
Benzene	2013-03	ug/L	<0.500								<0.500							
Benzene	2013-06	ug/L			<0.500	0.505	0.609											
Benzene	2013-09	ug/L	<0.500	<0.500	<0.500	0.840	0.756				<0.500							
Benzene	2013-11	ug/L			<0.500	0.970	0.887											
Benzene	2014-03	ug/L	<0.500		<0.500	0.777	0.629				<0.500							
Benzene	2014-06	ug/L		<0.500	<0.500	0.233	0.480											
Benzene	2014-09	ug/L	<0.5	<0.5	<0.5	<0.500	<0.500				<0.5							
Benzene	2014-12	ug/L																
Benzene	2015-04	ug/L	<0.500	<0.500	<0.500	0.383	0.495				<0.5							
Benzene	2015-10	ug/L	<0.5	<0.5	<0.5	0.921					<0.5					<0.5	<0.5	
Benzene	2016-04	ug/L	<0.5	<0.5	<0.5	0.945					<0.5					<0.5	<0.5	
Benzene	2016-10	ug/L	<0.5	<0.5	<0.5	0.674					<0.5					<0.5	<0.5	
Benzene	2017-03	ug/L	<0.5	<0.5	<0.5	0.956	0.499 J				<0.5					<0.5	<0.5	
Benzene	2017-10	ug/L	<0.5	<0.5	<0.5	1.02					<0.5					<0.5	<0.5	
Benzene	2017-12	ug/L			<0.5													
Benzene	2018-04	ug/L	<0.5	<0.5	<0.5	0.757					<0.5					<0.5	<0.5	
Benzene	2018-07	ug/L								<0.5								
Benzene	2018-10	ug/L	<0.5	<0.5	<0.5	0.666				<0.5	<0.5					<0.5	<0.5	
Benzene	2019-01	ug/L								<0.5								
Benzene	2019-03	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5					<0.5	<0.5	
Benzene	2019-05	ug/L		<0.5						<0.5								
Benzene	2019-10	ug/L	<0.5	<0.5	<0.5	0.347 J	0.42 J			<0.5	<0.5					<0.5	<0.5	
Benzene	2020-03	ug/L	<0.5	<0.5	<0.5	0.644	<0.5			<0.5	<0.5					<0.5	<0.5	
Benzene	2020-09	ug/L	<0.5	<0.5	<0.5	0.28 J	0.429 J			<0.5	<0.5					<0.5	<0.5	
Benzene	2021-03	ug/L	<0.5	<0.5	<0.5	0.404 J	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	<0.5	
Benzene	2021-05	ug/L	<0.5															

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Benzene	2021-08	ug/L																
Benzene	2021-10	ug/L	0.945	<0.5	<0.5		<0.5	<0.5	0.318 J	5.7	1.29	0.223 J	<0.5	<0.5	<0.5	0.639	<0.5	<0.5
Benzene	2021-12	ug/L	0.424 J															
Benzene	2022-02	ug/L	<0.5		<0.5	<0.5												
Benzene	2022-04	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.309 J	5.34	1.17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	2022-07	ug/L			<0.5	<0.5												
Benzene	2022-10	ug/L	0.373 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.09	1.45	<0.5		<0.5	<0.5	0.622	<0.5	<0.5
Benzene	2023-04	ug/L	0.241 J	<0.5		<0.5	0.301 J	<0.5	0.261 J	2.71	1.49	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	2023-05	ug/L			<0.5													
Benzene	2023-10	ug/L	0.253 J	<0.5	<0.5	<0.5	<0.5	<0.5	0.221 J	3.66	1.29	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	2024-04	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.47	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	2024-09	ug/L	0.25 J	<0.5	<0.5	<0.5	<0.5	0.223 J	<0.5	3.2	1.46	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)anthracene	2009-03	ug/L						<10	<10	<10								
Benzo(a)anthracene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzo(a)anthracene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(a)anthracene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(a)anthracene	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzo(a)anthracene	2010-06	ug/L										<10.0						
Benzo(a)anthracene	2010-08	ug/L										<10.0	<10.0					
Benzo(a)anthracene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzo(a)anthracene	2010-12	ug/L										<10.0						
Benzo(a)anthracene	2011-03	ug/L											<10.0		<10.0			
Benzo(a)anthracene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzo(a)anthracene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Benzo(a)anthracene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Benzo(a)anthracene	2012-03	ug/L														<10.0	<10.0	
Benzo(a)anthracene	2014-12	ug/L															<10.2	
Benzo(a)anthracene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Benzo(a)anthracene	2017-10	ug/L						<10.5										
Benzo(a)anthracene	2017-12	ug/L					<10.6					<10.4						<10.4
Benzo(a)anthracene	2018-07	ug/L											<10.4					
Benzo(a)anthracene	2018-10	ug/L											<10.4					
Benzo(a)anthracene	2019-05	ug/L																
Benzo(a)anthracene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzo(a)anthracene	2021-12	ug/L																
Benzo(a)anthracene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzo(a)anthracene	2024-04	ug/L											<10.6					
Benzo(a)pyrene	2009-03	ug/L						<10	<10	<10								
Benzo(a)pyrene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzo(a)pyrene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(a)pyrene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(a)pyrene	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzo(a)pyrene	2010-06	ug/L												<10.0				
Benzo(a)pyrene	2010-08	ug/L										<10.0	<10.0					
Benzo(a)pyrene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzo(a)pyrene	2010-12	ug/L										<10.0						
Benzo(a)pyrene	2011-03	ug/L											<10.0		<10.0			
Benzo(a)pyrene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzo(a)pyrene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Benzo(a)pyrene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Benzo(a)pyrene	2012-03	ug/L														<10.0	<10.0	
Benzo(a)pyrene	2014-12	ug/L															<10.2	
Benzo(a)pyrene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Benzo(a)pyrene	2017-10	ug/L						<10.5										
Benzo(a)pyrene	2017-12	ug/L					<10.6					<10.4						<10.4
Benzo(a)pyrene	2018-07	ug/L											<10.4					
Benzo(a)pyrene	2018-10	ug/L											<10.4					
Benzo(a)pyrene	2019-05	ug/L																

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Benzene	2021-08	ug/L						<0.5	<0.5									
Benzene	2021-10	ug/L	<0.5	<0.5	<0.5	<0.5	<b>0.316 J</b>	<0.5	<0.5	<0.5	<0.5							
Benzene	2021-12	ug/L	<b>0.305 J</b>															
Benzene	2022-02	ug/L						<0.5	<0.5									
Benzene	2022-04	ug/L	<0.5	<0.5	<0.5	<b>0.473 J</b>	<0.5	<0.5	<0.5	<0.5	<0.5							
Benzene	2022-07	ug/L																
Benzene	2022-10	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Benzene	2023-04	ug/L	<0.5	<0.5	<0.5	<b>0.789</b>	<0.5	<0.5	<0.5	<0.5	<0.5							
Benzene	2023-05	ug/L																
Benzene	2023-10	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Benzene	2024-04	ug/L	<0.5	<0.5	<0.5	<b>0.381 J</b>	<0.5	<0.5	<0.5	<0.5	<0.5							
Benzene	2024-09	ug/L	< 0.5	< 0.5	< 0.5	<b>0.401 J</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)anthracene	2009-03	ug/L																
Benzo(a)anthracene	2009-06	ug/L																
Benzo(a)anthracene	2009-09	ug/L																
Benzo(a)anthracene	2009-12	ug/L																
Benzo(a)anthracene	2010-03	ug/L																
Benzo(a)anthracene	2010-06	ug/L																
Benzo(a)anthracene	2010-08	ug/L																
Benzo(a)anthracene	2010-09	ug/L																
Benzo(a)anthracene	2010-12	ug/L																
Benzo(a)anthracene	2011-03	ug/L																
Benzo(a)anthracene	2011-06	ug/L																
Benzo(a)anthracene	2011-09	ug/L																
Benzo(a)anthracene	2011-12	ug/L																
Benzo(a)anthracene	2012-03	ug/L																
Benzo(a)anthracene	2014-12	ug/L																
Benzo(a)anthracene	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzo(a)anthracene	2017-10	ug/L																
Benzo(a)anthracene	2017-12	ug/L			<10.4													
Benzo(a)anthracene	2018-07	ug/L								<10.1								
Benzo(a)anthracene	2018-10	ug/L								<10.3								
Benzo(a)anthracene	2019-05	ug/L		<10.1														
Benzo(a)anthracene	2021-10	ug/L																
Benzo(a)anthracene	2021-12	ug/L	<10.5															
Benzo(a)anthracene	2022-10	ug/L			<8.77													
Benzo(a)anthracene	2024-04	ug/L		<10.2														
Benzo(a)pyrene	2009-03	ug/L																
Benzo(a)pyrene	2009-06	ug/L																
Benzo(a)pyrene	2009-09	ug/L																
Benzo(a)pyrene	2009-12	ug/L																
Benzo(a)pyrene	2010-03	ug/L																
Benzo(a)pyrene	2010-06	ug/L																
Benzo(a)pyrene	2010-08	ug/L																
Benzo(a)pyrene	2010-09	ug/L																
Benzo(a)pyrene	2010-12	ug/L																
Benzo(a)pyrene	2011-03	ug/L																
Benzo(a)pyrene	2011-06	ug/L																
Benzo(a)pyrene	2011-09	ug/L																
Benzo(a)pyrene	2011-12	ug/L																
Benzo(a)pyrene	2012-03	ug/L																
Benzo(a)pyrene	2014-12	ug/L																
Benzo(a)pyrene	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzo(a)pyrene	2017-10	ug/L																
Benzo(a)pyrene	2017-12	ug/L			<10.4													
Benzo(a)pyrene	2018-07	ug/L								<10.1								
Benzo(a)pyrene	2018-10	ug/L								<10.3								
Benzo(a)pyrene	2019-05	ug/L		<10.1														

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Benzo(a)pyrene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzo(a)pyrene	2021-12	ug/L																
Benzo(a)pyrene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzo(a)pyrene	2024-04	ug/L											<10.6					
Benzo(b)fluoranthene	2009-03	ug/L						<10	<10	<10								
Benzo(b)fluoranthene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzo(b)fluoranthene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(b)fluoranthene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(b)fluoranthene	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzo(b)fluoranthene	2010-06	ug/L										<10.0						
Benzo(b)fluoranthene	2010-08	ug/L										<10.0	<10.0					
Benzo(b)fluoranthene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzo(b)fluoranthene	2010-12	ug/L										<10.0						
Benzo(b)fluoranthene	2011-03	ug/L											<10.0		<10.0			
Benzo(b)fluoranthene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzo(b)fluoranthene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Benzo(b)fluoranthene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Benzo(b)fluoranthene	2012-03	ug/L													<10.0	<10.0	<10.0	
Benzo(b)fluoranthene	2014-12	ug/L															<10.2	
Benzo(b)fluoranthene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Benzo(b)fluoranthene	2017-10	ug/L						<10.5										
Benzo(b)fluoranthene	2017-12	ug/L					<10.6					<10.4						<10.4
Benzo(b)fluoranthene	2018-07	ug/L											<10.4					
Benzo(b)fluoranthene	2018-10	ug/L											<10.4					
Benzo(b)fluoranthene	2019-05	ug/L																
Benzo(b)fluoranthene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzo(b)fluoranthene	2021-12	ug/L																
Benzo(b)fluoranthene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzo(b)fluoranthene	2024-04	ug/L											<10.6					
Benzo(ghi)perylene	2009-03	ug/L						<10	<10	<10								
Benzo(ghi)perylene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzo(ghi)perylene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(ghi)perylene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(ghi)perylene	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzo(ghi)perylene	2010-06	ug/L										<10.0						
Benzo(ghi)perylene	2010-08	ug/L										<10.0	<10.0					
Benzo(ghi)perylene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzo(ghi)perylene	2010-12	ug/L										<10.0						
Benzo(ghi)perylene	2011-03	ug/L											<10.0		<10.0			
Benzo(ghi)perylene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzo(ghi)perylene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Benzo(ghi)perylene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Benzo(ghi)perylene	2012-03	ug/L													<10.0	<10.0	<10.0	
Benzo(ghi)perylene	2014-12	ug/L															<10.2	
Benzo(ghi)perylene	2016-10	ug/L							<10	<b>0.443 J</b>	<10.9					<11.2	<11.1	
Benzo(ghi)perylene	2017-10	ug/L						<10.5										
Benzo(ghi)perylene	2017-12	ug/L					<10.6					<10.4						<10.4
Benzo(ghi)perylene	2018-07	ug/L											<10.4					
Benzo(ghi)perylene	2018-10	ug/L											<10.4					
Benzo(ghi)perylene	2019-05	ug/L																
Benzo(ghi)perylene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzo(ghi)perylene	2021-12	ug/L																
Benzo(ghi)perylene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzo(ghi)perylene	2024-04	ug/L											<10.6					
Benzo(k)fluoranthene	2009-03	ug/L						<10	<10	<10								
Benzo(k)fluoranthene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzo(k)fluoranthene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzo(k)fluoranthene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Benzo(a)pyrene	2021-10	ug/L																
Benzo(a)pyrene	2021-12	ug/L	<10.5															
Benzo(a)pyrene	2022-10	ug/L			<8.77													
Benzo(a)pyrene	2024-04	ug/L		<10.2														
Benzo(b)fluoranthene	2009-03	ug/L																
Benzo(b)fluoranthene	2009-06	ug/L																
Benzo(b)fluoranthene	2009-09	ug/L																
Benzo(b)fluoranthene	2009-12	ug/L																
Benzo(b)fluoranthene	2010-03	ug/L																
Benzo(b)fluoranthene	2010-06	ug/L																
Benzo(b)fluoranthene	2010-08	ug/L																
Benzo(b)fluoranthene	2010-09	ug/L																
Benzo(b)fluoranthene	2010-12	ug/L																
Benzo(b)fluoranthene	2011-03	ug/L																
Benzo(b)fluoranthene	2011-06	ug/L																
Benzo(b)fluoranthene	2011-09	ug/L																
Benzo(b)fluoranthene	2011-12	ug/L																
Benzo(b)fluoranthene	2012-03	ug/L																
Benzo(b)fluoranthene	2014-12	ug/L																
Benzo(b)fluoranthene	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzo(b)fluoranthene	2017-10	ug/L																
Benzo(b)fluoranthene	2017-12	ug/L			<10.4													
Benzo(b)fluoranthene	2018-07	ug/L								<10.1								
Benzo(b)fluoranthene	2018-10	ug/L								<10.3								
Benzo(b)fluoranthene	2019-05	ug/L		<10.1														
Benzo(b)fluoranthene	2021-10	ug/L																
Benzo(b)fluoranthene	2021-12	ug/L	<10.5															
Benzo(b)fluoranthene	2022-10	ug/L			<8.77													
Benzo(b)fluoranthene	2024-04	ug/L		<10.2														
Benzo(ghi)perylene	2009-03	ug/L																
Benzo(ghi)perylene	2009-06	ug/L																
Benzo(ghi)perylene	2009-09	ug/L																
Benzo(ghi)perylene	2009-12	ug/L																
Benzo(ghi)perylene	2010-03	ug/L																
Benzo(ghi)perylene	2010-06	ug/L																
Benzo(ghi)perylene	2010-08	ug/L																
Benzo(ghi)perylene	2010-09	ug/L																
Benzo(ghi)perylene	2010-12	ug/L																
Benzo(ghi)perylene	2011-03	ug/L																
Benzo(ghi)perylene	2011-06	ug/L																
Benzo(ghi)perylene	2011-09	ug/L																
Benzo(ghi)perylene	2011-12	ug/L																
Benzo(ghi)perylene	2012-03	ug/L																
Benzo(ghi)perylene	2014-12	ug/L																
Benzo(ghi)perylene	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzo(ghi)perylene	2017-10	ug/L																
Benzo(ghi)perylene	2017-12	ug/L			<10.4													
Benzo(ghi)perylene	2018-07	ug/L								<10.1								
Benzo(ghi)perylene	2018-10	ug/L								<10.3								
Benzo(ghi)perylene	2019-05	ug/L		<10.1														
Benzo(ghi)perylene	2021-10	ug/L																
Benzo(ghi)perylene	2021-12	ug/L	<10.5															
Benzo(ghi)perylene	2022-10	ug/L			<8.77													
Benzo(ghi)perylene	2024-04	ug/L		<10.2														
Benzo(k)fluoranthene	2009-03	ug/L																
Benzo(k)fluoranthene	2009-06	ug/L																
Benzo(k)fluoranthene	2009-09	ug/L																
Benzo(k)fluoranthene	2009-12	ug/L																



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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Benzo(k)fluoranthene	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzo(k)fluoranthene	2010-06	ug/L										<10.0						
Benzo(k)fluoranthene	2010-08	ug/L										<10.0						
Benzo(k)fluoranthene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzo(k)fluoranthene	2010-12	ug/L										<10.0						
Benzo(k)fluoranthene	2011-03	ug/L											<10.0		<10.0			
Benzo(k)fluoranthene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzo(k)fluoranthene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Benzo(k)fluoranthene	2011-12	ug/L													<10.0	<10.0	<10.0	
Benzo(k)fluoranthene	2012-03	ug/L														<10.0	<10.0	<10.0
Benzo(k)fluoranthene	2014-12	ug/L																<10.2
Benzo(k)fluoranthene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Benzo(k)fluoranthene	2017-10	ug/L																
Benzo(k)fluoranthene	2017-12	ug/L					<10.6					<10.4						<10.4
Benzo(k)fluoranthene	2018-07	ug/L											<10.4					
Benzo(k)fluoranthene	2018-10	ug/L											<10.4					
Benzo(k)fluoranthene	2019-05	ug/L																
Benzo(k)fluoranthene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzo(k)fluoranthene	2021-12	ug/L																
Benzo(k)fluoranthene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzo(k)fluoranthene	2024-04	ug/L											<10.6					
Benzyl Alcohol	2009-03	ug/L																
Benzyl Alcohol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Benzyl Alcohol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzyl Alcohol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Benzyl Alcohol	2010-03	ug/L					<10.0				<10.0			<10.0				
Benzyl Alcohol	2010-06	ug/L										<10.0						
Benzyl Alcohol	2010-08	ug/L										<10.0	<10.0					
Benzyl Alcohol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Benzyl Alcohol	2010-12	ug/L										<10.0						
Benzyl Alcohol	2011-03	ug/L											<10.0		<10.0			
Benzyl Alcohol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Benzyl Alcohol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Benzyl Alcohol	2011-12	ug/L													<10.0	<10.0	<10.0	
Benzyl Alcohol	2012-03	ug/L														<10.0	<10.0	
Benzyl Alcohol	2014-12	ug/L																<10.2
Benzyl Alcohol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Benzyl Alcohol	2017-10	ug/L							<10.5									
Benzyl Alcohol	2017-12	ug/L					<10.6					<10.4						<10.4
Benzyl Alcohol	2018-07	ug/L											<10.4					
Benzyl Alcohol	2018-10	ug/L											<10.4					
Benzyl Alcohol	2019-05	ug/L																
Benzyl Alcohol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Benzyl Alcohol	2021-12	ug/L																
Benzyl Alcohol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Benzyl Alcohol	2024-04	ug/L											<10.6					
Beryllium	2008-01	mg/L					<0.001	<0.001	<0.00100	<0.001	<0.001	<0.001	<0.001	<b>0.00146</b>	<0.001			
Beryllium	2008-03	mg/L					<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100			
Beryllium	2008-08	mg/L					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<b>0.00137</b>	<0.001			
Beryllium	2008-09	mg/L					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Beryllium	2008-10	mg/L					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Beryllium	2009-03	mg/L					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<b>0.00117</b>	<0.001			
Beryllium	2009-06	mg/L					<0.00100	<0.001	<0.001	<0.00100	<0.001			<0.00100				
Beryllium	2009-09	mg/L					<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	
Beryllium	2009-12	mg/L					<0.00100	<0.00100	<0.00100	<0.00100	<0.00100				<0.00100			
Beryllium	2010-03	mg/L					<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	
Beryllium	2010-06	mg/L												<0.00100		<0.00100	<0.00100	<0.00100
Beryllium	2010-08	mg/L										<0.00100	<0.00100			<0.00100	<0.00100	<0.00100

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Benzo(k)fluoranthene	2010-03	ug/L																
Benzo(k)fluoranthene	2010-06	ug/L																
Benzo(k)fluoranthene	2010-08	ug/L																
Benzo(k)fluoranthene	2010-09	ug/L																
Benzo(k)fluoranthene	2010-12	ug/L																
Benzo(k)fluoranthene	2011-03	ug/L																
Benzo(k)fluoranthene	2011-06	ug/L																
Benzo(k)fluoranthene	2011-09	ug/L																
Benzo(k)fluoranthene	2011-12	ug/L																
Benzo(k)fluoranthene	2012-03	ug/L																
Benzo(k)fluoranthene	2014-12	ug/L																
Benzo(k)fluoranthene	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzo(k)fluoranthene	2017-10	ug/L																
Benzo(k)fluoranthene	2017-12	ug/L			<10.4													
Benzo(k)fluoranthene	2018-07	ug/L								<10.1								
Benzo(k)fluoranthene	2018-10	ug/L								<10.3								
Benzo(k)fluoranthene	2019-05	ug/L		<10.1														
Benzo(k)fluoranthene	2021-10	ug/L																
Benzo(k)fluoranthene	2021-12	ug/L	<10.5															
Benzo(k)fluoranthene	2022-10	ug/L			<8.77													
Benzo(k)fluoranthene	2024-04	ug/L		<10.2														
Benzyl Alcohol	2009-03	ug/L																
Benzyl Alcohol	2009-06	ug/L																
Benzyl Alcohol	2009-09	ug/L																
Benzyl Alcohol	2009-12	ug/L																
Benzyl Alcohol	2010-03	ug/L																
Benzyl Alcohol	2010-06	ug/L																
Benzyl Alcohol	2010-08	ug/L																
Benzyl Alcohol	2010-09	ug/L																
Benzyl Alcohol	2010-12	ug/L																
Benzyl Alcohol	2011-03	ug/L																
Benzyl Alcohol	2011-06	ug/L																
Benzyl Alcohol	2011-09	ug/L																
Benzyl Alcohol	2011-12	ug/L																
Benzyl Alcohol	2012-03	ug/L																
Benzyl Alcohol	2014-12	ug/L																
Benzyl Alcohol	2016-10	ug/L									<10.4					<10.3	<10.2	
Benzyl Alcohol	2017-10	ug/L																
Benzyl Alcohol	2017-12	ug/L			<10.4													
Benzyl Alcohol	2018-07	ug/L								<10.1								
Benzyl Alcohol	2018-10	ug/L								<10.3								
Benzyl Alcohol	2019-05	ug/L		<10.1														
Benzyl Alcohol	2021-10	ug/L																
Benzyl Alcohol	2021-12	ug/L	<10.5															
Benzyl Alcohol	2022-10	ug/L			<8.77													
Benzyl Alcohol	2024-04	ug/L		<10.2														
Beryllium	2008-01	mg/L																
Beryllium	2008-03	mg/L																
Beryllium	2008-08	mg/L																
Beryllium	2008-09	mg/L																
Beryllium	2008-10	mg/L																
Beryllium	2009-03	mg/L																
Beryllium	2009-06	mg/L																
Beryllium	2009-09	mg/L																
Beryllium	2009-12	mg/L																
Beryllium	2010-03	mg/L																
Beryllium	2010-06	mg/L	<0.00100	<0.00100														
Beryllium	2010-08	mg/L	<0.00100	<0.00100														

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Beryllium	2010-09	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
Beryllium	2010-12	mg/L																
Beryllium	2011-03	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
Beryllium	2011-06	mg/L		<0.00100														
Beryllium	2011-07	mg/L	<0.00100															
Beryllium	2011-08	mg/L		<0.00100														
Beryllium	2011-09	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
Beryllium	2011-12	mg/L	<0.00100	<0.00100											<0.00100	<0.00100	<0.00100	
Beryllium	2012-03	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
Beryllium	2012-04	mg/L																
Beryllium	2012-06	mg/L																
Beryllium	2012-10	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
Beryllium	2013-03	mg/L	<0.00100	<0.00100			<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<b>0.000179</b>	<0.00100	<b>0.000615</b>
Beryllium	2013-06	mg/L																
Beryllium	2013-09	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
Beryllium	2013-11	mg/L																
Beryllium	2014-03	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
Beryllium	2014-06	mg/L																
Beryllium	2014-09	mg/L	<0.001	<0.001			<0.00100	<0.00100	<0.00100	<0.00100	<0.001	<0.001	<0.001	<0.00100	<b>0.0000870</b>	<0.00100	<0.00100	<0.001
Beryllium	2014-12	mg/L																<0.00100
Beryllium	2015-04	mg/L	<0.00100	<0.001			<0.001	<0.001	<0.001	<0.001	<b>0.00007</b>	<0.00100	<0.001			<0.001	<0.001	<b>0.00007</b>
Beryllium	2015-10	mg/L	<b>0.000083 J</b>	<b>0.000195 J</b>			<0.001	<b>0.000067 J</b>	<b>0.000047 J</b>	<b>0.000163 J</b>	<b>0.000143 J</b>	<b>0.000045 J</b>				<b>0.000073 J</b>	<0.001	<0.001
Beryllium	2016-04	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
Beryllium	2016-10	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
Beryllium	2017-03	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
Beryllium	2017-10	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
Beryllium	2017-12	mg/L					<0.001					<0.001						<0.001
Beryllium	2018-04	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	2018-07	mg/L											<0.001					
Beryllium	2018-10	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
Beryllium	2019-01	mg/L																
Beryllium	2019-03	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
Beryllium	2019-05	mg/L																
Beryllium	2019-10	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.001	<0.001	<0.001
Beryllium	2020-03	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
Beryllium	2020-09	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<b>0.00108 e</b>	<0.001	<0.001
Beryllium	2020-11	mg/L	<0.001															
Beryllium	2020-12	mg/L	<0.001															
Beryllium	2021-03	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
Beryllium	2021-05	mg/L																
Beryllium	2021-08	mg/L																
Beryllium	2021-10	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
Beryllium	2021-12	mg/L																
Beryllium	2022-02	mg/L	<0.001		<0.001	<0.001												
Beryllium	2022-04	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	2022-07	mg/L			<0.001	<0.001												
Beryllium	2022-10	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	2023-04	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
Beryllium	2023-05	mg/L			<0.001													
Beryllium	2023-10	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	2024-04	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	2024-05	mg/L																
Beryllium	2024-09	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
beta-BHC	2009-03	ug/L																
beta-BHC	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
beta-BHC	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
beta-BHC	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
beta-BHC	2010-03	ug/L					<0.0320				<0.0320			<0.0320				

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Beryllium	2010-09	mg/L	<0.00100-	<0.00100-														
Beryllium	2010-12	mg/L	<0.00100-	<0.00100-														
Beryllium	2011-03	mg/L	<0.00100-	<0.00100-														
Beryllium	2011-06	mg/L																
Beryllium	2011-07	mg/L																
Beryllium	2011-08	mg/L																
Beryllium	2011-09	mg/L	<0.00100-	<0.00100-														
Beryllium	2011-12	mg/L																
Beryllium	2012-03	mg/L	<0.00100-	<0.00100-														
Beryllium	2012-04	mg/L									0.0139	<0.00100-		<0.00100-		0.00353	0.00750	
Beryllium	2012-06	mg/L									0.00960	<0.00100-		<0.00100-		0.00246	0.00568	
Beryllium	2012-10	mg/L									<0.00100-			<0.00100-		<0.00100-	<0.00100-	
Beryllium	2013-03	mg/L	<0.00100-								0.00383					0.00417	0.000271	
Beryllium	2013-06	mg/L			0.000427													
Beryllium	2013-09	mg/L	0.00129	0.000170	0.00140						0.00288					0.00438	<0.00100-	
Beryllium	2013-11	mg/L			0.00154													
Beryllium	2014-03	mg/L	<0.00100-		0.000519						0.000722					0.00222	<0.00100-	
Beryllium	2014-06	mg/L		0.000291	0.00307													
Beryllium	2014-09	mg/L	<0.001-	<0.001-	0.000137						0.000154					0.000075	0.000199	
Beryllium	2014-12	mg/L																
Beryllium	2015-04	mg/L	<0.001- $\epsilon$	<0.001- $\epsilon$	<0.001- $\epsilon$						0.00006					<0.00100	<0.00100	
Beryllium	2015-10	mg/L	<0.001	0.000088 J	<0.001						<0.001					<0.001	0.000054 J	
Beryllium	2016-04	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Beryllium	2016-10	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Beryllium	2017-03	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Beryllium	2017-10	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Beryllium	2017-12	mg/L			<0.001													
Beryllium	2018-04	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Beryllium	2018-07	mg/L								<0.001								
Beryllium	2018-10	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Beryllium	2019-01	mg/L								<0.001								
Beryllium	2019-03	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Beryllium	2019-05	mg/L		<0.001						<0.001- $\epsilon$								
Beryllium	2019-10	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Beryllium	2020-03	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Beryllium	2020-09	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Beryllium	2020-11	mg/L																
Beryllium	2020-12	mg/L																
Beryllium	2021-03	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001					<0.001	<0.001	
Beryllium	2021-05	mg/L	<0.001															
Beryllium	2021-08	mg/L						<0.001	<0.001									
Beryllium	2021-10	mg/L	<0.001- $\epsilon$	<0.001	<0.001			<0.001	0.000359 J	<0.001	0.000317 J							
Beryllium	2021-12	mg/L	<0.001															
Beryllium	2022-02	mg/L						0.000274 J	0.000392 J									
Beryllium	2022-04	mg/L	<0.001- $\epsilon$	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Beryllium	2022-07	mg/L																
Beryllium	2022-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Beryllium	2023-04	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001- $\epsilon$	<0.001	<0.001							
Beryllium	2023-05	mg/L																
Beryllium	2023-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Beryllium	2024-04	mg/L	<0.001	<0.001	<0.001			0.00119	<0.001	<0.001	<0.001							
Beryllium	2024-05	mg/L						0.00227				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	2024-09	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
beta-BHC	2009-03	ug/L																
beta-BHC	2009-06	ug/L																
beta-BHC	2009-09	ug/L																
beta-BHC	2009-12	ug/L																
beta-BHC	2010-03	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
beta-BHC	2010-06	ug/L										<0.0320						
beta-BHC	2010-08	ug/L										<0.0320	<0.0320					
beta-BHC	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
beta-BHC	2010-12	ug/L										<0.0320						
beta-BHC	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
beta-BHC	2011-06	ug/L										<0.0320			<0.0320	<0.0320	<0.0320	
beta-BHC	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
beta-BHC	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
beta-BHC	2012-03	ug/L														<0.0320	<0.0320	
beta-BHC	2014-12	ug/L															<0.0320	<0.0320
beta-BHC	2016-10	ug/L							0.00547 J	0.0136 J	<0.0344					<0.033	<0.033	
beta-BHC	2017-10	ug/L							0.0113 J									
beta-BHC	2017-12	ug/L					<0.0333					<0.0333						<0.0333
beta-BHC	2018-07	ug/L											<0.0333					
beta-BHC	2018-10	ug/L											<0.033					
beta-BHC	2019-05	ug/L																
beta-BHC	2021-10	ug/L							<0.0337	<0.0337	0.0418					<0.0337	<0.0337	
beta-BHC	2021-12	ug/L																
beta-BHC	2022-02	ug/L									<0.064							
beta-BHC	2022-04	ug/L									<0.064							
beta-BHC	2022-10	ug/L					<0.0542	<0.0561			<0.064	<0.0542						<0.0582
beta-BHC	2023-04	ug/L									<0.064							
beta-BHC	2023-10	ug/L									<0.064							
beta-BHC	2024-04	ug/L									<0.064		<0.064					
beta-BHC	2024-09	ug/L									<0.0936							
bis(2-Chloroethoxy)methane	2009-03	ug/L						<10	<10	<10								
bis(2-Chloroethoxy)methane	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
bis(2-Chloroethoxy)methane	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Chloroethoxy)methane	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Chloroethoxy)methane	2010-03	ug/L					<10.0				<10.0			<10.0				
bis(2-Chloroethoxy)methane	2010-06	ug/L										<10.0						
bis(2-Chloroethoxy)methane	2010-08	ug/L										<10.0	<10.0					
bis(2-Chloroethoxy)methane	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
bis(2-Chloroethoxy)methane	2010-12	ug/L										<10.0						
bis(2-Chloroethoxy)methane	2011-03	ug/L										<10.0		<10.0				
bis(2-Chloroethoxy)methane	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0		
bis(2-Chloroethoxy)methane	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
bis(2-Chloroethoxy)methane	2011-12	ug/L												<10.0	<10.0	<10.0		
bis(2-Chloroethoxy)methane	2012-03	ug/L													<10.0	<10.0		
bis(2-Chloroethoxy)methane	2014-12	ug/L															<10.2	
bis(2-Chloroethoxy)methane	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
bis(2-Chloroethoxy)methane	2017-10	ug/L						<10.5										
bis(2-Chloroethoxy)methane	2017-12	ug/L					<10.6					<10.4						<10.4
bis(2-Chloroethoxy)methane	2018-07	ug/L											<10.4					
bis(2-Chloroethoxy)methane	2018-10	ug/L											<10.4					
bis(2-Chloroethoxy)methane	2019-05	ug/L																
bis(2-Chloroethoxy)methane	2021-10	ug/L							<10.5	<10.5	<10.2				<10.4	<10.5		
bis(2-Chloroethoxy)methane	2021-12	ug/L																
bis(2-Chloroethoxy)methane	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
bis(2-Chloroethoxy)methane	2024-04	ug/L											<10.6					
bis(2-Chloroethyl)ether	2009-03	ug/L						<10	<10	<10								
bis(2-Chloroethyl)ether	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
bis(2-Chloroethyl)ether	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Chloroethyl)ether	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Chloroethyl)ether	2010-03	ug/L					<10.0				<10.0			<10.0				
bis(2-Chloroethyl)ether	2010-06	ug/L										<10.0						
bis(2-Chloroethyl)ether	2010-08	ug/L										<10.0	<10.0					
bis(2-Chloroethyl)ether	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
beta-BHC	2010-06	ug/L																
beta-BHC	2010-08	ug/L																
beta-BHC	2010-09	ug/L																
beta-BHC	2010-12	ug/L																
beta-BHC	2011-03	ug/L																
beta-BHC	2011-06	ug/L																
beta-BHC	2011-09	ug/L																
beta-BHC	2011-12	ug/L																
beta-BHC	2012-03	ug/L																
beta-BHC	2014-12	ug/L																
beta-BHC	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
beta-BHC	2017-10	ug/L																
beta-BHC	2017-12	ug/L			<0.0333													
beta-BHC	2018-07	ug/L								<0.0323								
beta-BHC	2018-10	ug/L								<0.033								
beta-BHC	2019-05	ug/L		<0.0327														
beta-BHC	2021-10	ug/L																
beta-BHC	2021-12	ug/L	<0.0337															
beta-BHC	2022-02	ug/L																
beta-BHC	2022-04	ug/L																
beta-BHC	2022-10	ug/L			<0.0542													
beta-BHC	2023-04	ug/L	<0.064															
beta-BHC	2023-10	ug/L																
beta-BHC	2024-04	ug/L		<0.064														
beta-BHC	2024-09	ug/L								< 0.0956	< 0.0919							
bis(2-Chloroethoxy)methane	2009-03	ug/L																
bis(2-Chloroethoxy)methane	2009-06	ug/L																
bis(2-Chloroethoxy)methane	2009-09	ug/L																
bis(2-Chloroethoxy)methane	2009-12	ug/L																
bis(2-Chloroethoxy)methane	2010-03	ug/L																
bis(2-Chloroethoxy)methane	2010-06	ug/L																
bis(2-Chloroethoxy)methane	2010-08	ug/L																
bis(2-Chloroethoxy)methane	2010-09	ug/L																
bis(2-Chloroethoxy)methane	2010-12	ug/L																
bis(2-Chloroethoxy)methane	2011-03	ug/L																
bis(2-Chloroethoxy)methane	2011-06	ug/L																
bis(2-Chloroethoxy)methane	2011-09	ug/L																
bis(2-Chloroethoxy)methane	2011-12	ug/L																
bis(2-Chloroethoxy)methane	2012-03	ug/L																
bis(2-Chloroethoxy)methane	2014-12	ug/L																
bis(2-Chloroethoxy)methane	2016-10	ug/L									<10.4					<10.3	<10.2	
bis(2-Chloroethoxy)methane	2017-10	ug/L																
bis(2-Chloroethoxy)methane	2017-12	ug/L			<10.4													
bis(2-Chloroethoxy)methane	2018-07	ug/L								<10.1								
bis(2-Chloroethoxy)methane	2018-10	ug/L								<10.3								
bis(2-Chloroethoxy)methane	2019-05	ug/L		<10.1														
bis(2-Chloroethoxy)methane	2021-10	ug/L																
bis(2-Chloroethoxy)methane	2021-12	ug/L	<10.5															
bis(2-Chloroethoxy)methane	2022-10	ug/L			<8.77													
bis(2-Chloroethoxy)methane	2024-04	ug/L		<10.2														
bis(2-Chloroethyl)ether	2009-03	ug/L																
bis(2-Chloroethyl)ether	2009-06	ug/L																
bis(2-Chloroethyl)ether	2009-09	ug/L																
bis(2-Chloroethyl)ether	2009-12	ug/L																
bis(2-Chloroethyl)ether	2010-03	ug/L																
bis(2-Chloroethyl)ether	2010-06	ug/L																
bis(2-Chloroethyl)ether	2010-08	ug/L																
bis(2-Chloroethyl)ether	2010-09	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
bis(2-Chloroethyl)ether	2010-12	ug/L										<10.0						
bis(2-Chloroethyl)ether	2011-03	ug/L											<10.0		<10.0			
bis(2-Chloroethyl)ether	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
bis(2-Chloroethyl)ether	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
bis(2-Chloroethyl)ether	2011-12	ug/L													<10.0	<10.0	<10.0	
bis(2-Chloroethyl)ether	2012-03	ug/L														<10.0	<10.0	
bis(2-Chloroethyl)ether	2014-12	ug/L															<10.2	
bis(2-Chloroethyl)ether	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
bis(2-Chloroethyl)ether	2017-10	ug/L						<10.5										
bis(2-Chloroethyl)ether	2017-12	ug/L					<10.6					<10.4						<10.4
bis(2-Chloroethyl)ether	2018-07	ug/L											<10.4					
bis(2-Chloroethyl)ether	2018-10	ug/L											<10.4					
bis(2-Chloroethyl)ether	2019-05	ug/L																
bis(2-Chloroethyl)ether	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
bis(2-Chloroethyl)ether	2021-12	ug/L																
bis(2-Chloroethyl)ether	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
bis(2-Chloroethyl)ether	2024-04	ug/L											<10.6					
bis(2-Ethylhexyl)phthalate	2009-03	ug/L						<10	<10	<10								
bis(2-Ethylhexyl)phthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
bis(2-Ethylhexyl)phthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Ethylhexyl)phthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
bis(2-Ethylhexyl)phthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
bis(2-Ethylhexyl)phthalate	2010-06	ug/L												<10.0				
bis(2-Ethylhexyl)phthalate	2010-08	ug/L										<10.0	<10.0					
bis(2-Ethylhexyl)phthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
bis(2-Ethylhexyl)phthalate	2010-12	ug/L										<10.0						
bis(2-Ethylhexyl)phthalate	2011-03	ug/L											<10.0		<10.0			
bis(2-Ethylhexyl)phthalate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
bis(2-Ethylhexyl)phthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
bis(2-Ethylhexyl)phthalate	2011-12	ug/L													<10.0	<10.0	<10.0	
bis(2-Ethylhexyl)phthalate	2012-03	ug/L														<10.0	<10.0	
bis(2-Ethylhexyl)phthalate	2014-12	ug/L															<10.2	
bis(2-Ethylhexyl)phthalate	2016-10	ug/L							0.647 J	0.981 J	0.727 J					0.697 J	0.64 J	
bis(2-Ethylhexyl)phthalate	2017-10	ug/L						<10.5										
bis(2-Ethylhexyl)phthalate	2017-12	ug/L					2.44 J					<10.4						<10.4
bis(2-Ethylhexyl)phthalate	2018-07	ug/L											<10.4					
bis(2-Ethylhexyl)phthalate	2018-10	ug/L											<10.4					
bis(2-Ethylhexyl)phthalate	2019-05	ug/L																
bis(2-Ethylhexyl)phthalate	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
bis(2-Ethylhexyl)phthalate	2021-12	ug/L																
bis(2-Ethylhexyl)phthalate	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
bis(2-Ethylhexyl)phthalate	2024-04	ug/L											<10.6					
Bromochloromethane	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5	<5			
Bromochloromethane	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Bromochloromethane	2008-08	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromochloromethane	2008-09	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromochloromethane	2008-10	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromochloromethane	2009-03	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromochloromethane	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
Bromochloromethane	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Bromochloromethane	2009-12	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
Bromochloromethane	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Bromochloromethane	2010-06	ug/L										<5.00				<5.00	<5.00	<5.00
Bromochloromethane	2010-08	ug/L										<5.00	<5.00			<5.00	<5.00	<5.00
Bromochloromethane	2010-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2010-12	ug/L										<5.00				<5.00	<5.00	<5.00
Bromochloromethane	2011-03	ug/L		<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00							<5.00

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
bis(2-Chloroethyl)ether	2010-12	ug/L																
bis(2-Chloroethyl)ether	2011-03	ug/L																
bis(2-Chloroethyl)ether	2011-06	ug/L																
bis(2-Chloroethyl)ether	2011-09	ug/L																
bis(2-Chloroethyl)ether	2011-12	ug/L																
bis(2-Chloroethyl)ether	2012-03	ug/L																
bis(2-Chloroethyl)ether	2014-12	ug/L																
bis(2-Chloroethyl)ether	2016-10	ug/L									<10.4					<10.3	<10.2	
bis(2-Chloroethyl)ether	2017-10	ug/L																
bis(2-Chloroethyl)ether	2017-12	ug/L			<10.4													
bis(2-Chloroethyl)ether	2018-07	ug/L								<10.1								
bis(2-Chloroethyl)ether	2018-10	ug/L								<10.3								
bis(2-Chloroethyl)ether	2019-05	ug/L		<10.1														
bis(2-Chloroethyl)ether	2021-10	ug/L																
bis(2-Chloroethyl)ether	2021-12	ug/L	<10.5															
bis(2-Chloroethyl)ether	2022-10	ug/L			<8.77													
bis(2-Chloroethyl)ether	2024-04	ug/L		<10.2														
bis(2-Ethylhexyl)phthalate	2009-03	ug/L																
bis(2-Ethylhexyl)phthalate	2009-06	ug/L																
bis(2-Ethylhexyl)phthalate	2009-09	ug/L																
bis(2-Ethylhexyl)phthalate	2009-12	ug/L																
bis(2-Ethylhexyl)phthalate	2010-03	ug/L																
bis(2-Ethylhexyl)phthalate	2010-06	ug/L																
bis(2-Ethylhexyl)phthalate	2010-08	ug/L																
bis(2-Ethylhexyl)phthalate	2010-09	ug/L																
bis(2-Ethylhexyl)phthalate	2010-12	ug/L																
bis(2-Ethylhexyl)phthalate	2011-03	ug/L																
bis(2-Ethylhexyl)phthalate	2011-06	ug/L																
bis(2-Ethylhexyl)phthalate	2011-09	ug/L																
bis(2-Ethylhexyl)phthalate	2011-12	ug/L																
bis(2-Ethylhexyl)phthalate	2012-03	ug/L																
bis(2-Ethylhexyl)phthalate	2014-12	ug/L																
bis(2-Ethylhexyl)phthalate	2016-10	ug/L									<10.4					0.595 J	0.627 J	
bis(2-Ethylhexyl)phthalate	2017-10	ug/L																
bis(2-Ethylhexyl)phthalate	2017-12	ug/L			<10.4													
bis(2-Ethylhexyl)phthalate	2018-07	ug/L								<10.1								
bis(2-Ethylhexyl)phthalate	2018-10	ug/L								<10.3								
bis(2-Ethylhexyl)phthalate	2019-05	ug/L		<10.1														
bis(2-Ethylhexyl)phthalate	2021-10	ug/L																
bis(2-Ethylhexyl)phthalate	2021-12	ug/L	<10.5															
bis(2-Ethylhexyl)phthalate	2022-10	ug/L			<8.77													
bis(2-Ethylhexyl)phthalate	2024-04	ug/L		<10.2														
Bromochloromethane	2008-01	ug/L																
Bromochloromethane	2008-03	ug/L																
Bromochloromethane	2008-08	ug/L																
Bromochloromethane	2008-09	ug/L																
Bromochloromethane	2008-10	ug/L																
Bromochloromethane	2009-03	ug/L																
Bromochloromethane	2009-06	ug/L																
Bromochloromethane	2009-09	ug/L																
Bromochloromethane	2009-12	ug/L																
Bromochloromethane	2010-03	ug/L																
Bromochloromethane	2010-06	ug/L	<5.00	<5.00														
Bromochloromethane	2010-08	ug/L	<5.00	<5.00														
Bromochloromethane	2010-09	ug/L	<5.00	<5.00														
Bromochloromethane	2010-12	ug/L	<5.00	<5.00														
Bromochloromethane	2011-03	ug/L	<5.00	<5.00														
Bromochloromethane	2011-04	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Bromochloromethane	2011-06	ug/L		<5.00									<5.00		<5.00	<5.00	<5.00	
Bromochloromethane	2011-07	ug/L	<5.00															
Bromochloromethane	2011-08	ug/L		<5.00														
Bromochloromethane	2011-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2011-12	ug/L	<5.00	<5.00											<5.00	<5.00	<5.00	
Bromochloromethane	2012-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2012-06	ug/L																
Bromochloromethane	2012-10	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2013-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2013-06	ug/L																
Bromochloromethane	2013-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2013-11	ug/L																
Bromochloromethane	2014-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	2014-06	ug/L																
Bromochloromethane	2014-09	ug/L	<5	<5			<5.00	<5.00	<5.00	<5.00	<5	<5	<5	<5.00	<5.00	<5.00	<5.00	<5
Bromochloromethane	2014-12	ug/L																<5.00
Bromochloromethane	2015-04	ug/L	<5.00	<5			<5	<5.00	<5	<5	<5	<5.00	<5.00			<5.00	<5	<5
Bromochloromethane	2015-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromochloromethane	2016-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2017-12	ug/L					<5											<5
Bromochloromethane	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2018-07	ug/L											<5					
Bromochloromethane	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2019-01	ug/L																
Bromochloromethane	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2019-05	ug/L																
Bromochloromethane	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2021-05	ug/L																
Bromochloromethane	2021-08	ug/L																
Bromochloromethane	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2021-12	ug/L																
Bromochloromethane	2022-02	ug/L	<5		<5	<5												
Bromochloromethane	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2022-07	ug/L			<5	<5												
Bromochloromethane	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2023-04	ug/L	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2023-05	ug/L			<5													
Bromochloromethane	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromochloromethane	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Bromodichloromethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Bromodichloromethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Bromodichloromethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Bromodichloromethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Bromodichloromethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Bromodichloromethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Bromodichloromethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1	<1	<1	<1.00				
Bromodichloromethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Bromodichloromethane	2009-12	ug/L					<10.0	<10.0	<10.0	<1.00	<1.00			<1.00				
Bromodichloromethane	2010-03	ug/L					<1.00	<1.00	<5.00	<5.00	<1.00			<5.00	<1.00			
Bromodichloromethane	2010-06	ug/L										<4.00				<5.00	<5.00	<5.00
Bromodichloromethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Bromochloromethane	2011-06	ug/L																
Bromochloromethane	2011-07	ug/L																
Bromochloromethane	2011-08	ug/L																
Bromochloromethane	2011-09	ug/L	<5.00	<5.00														
Bromochloromethane	2011-12	ug/L																
Bromochloromethane	2012-03	ug/L	<5.00	<5.00														
Bromochloromethane	2012-06	ug/L									<5.00	<5.00		<5.00		<5.00	<5.00	
Bromochloromethane	2012-10	ug/L																
Bromochloromethane	2013-03	ug/L	<5.00								<5.00							
Bromochloromethane	2013-06	ug/L			<5.00													
Bromochloromethane	2013-09	ug/L	<5.00	<5.00	<5.00						<5.00							
Bromochloromethane	2013-11	ug/L			<5.00													
Bromochloromethane	2014-03	ug/L	<5.00		<5.00						<5.00							
Bromochloromethane	2014-06	ug/L		<5.00	<5.00													
Bromochloromethane	2014-09	ug/L	<5	<5	<5						<5							
Bromochloromethane	2014-12	ug/L																
Bromochloromethane	2015-04	ug/L	< 5.00	< 5.00	< 5.00						< 5							
Bromochloromethane	2015-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2016-04	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2017-12	ug/L			<5													
Bromochloromethane	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
Bromochloromethane	2018-07	ug/L								<5								
Bromochloromethane	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromochloromethane	2019-01	ug/L								<5								
Bromochloromethane	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromochloromethane	2019-05	ug/L		<5						<5								
Bromochloromethane	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromochloromethane	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromochloromethane	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromochloromethane	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
Bromochloromethane	2021-05	ug/L	<5															
Bromochloromethane	2021-08	ug/L						<5	<5									
Bromochloromethane	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2021-12	ug/L	<5															
Bromochloromethane	2022-02	ug/L						<5	<5									
Bromochloromethane	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2022-07	ug/L																
Bromochloromethane	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2023-05	ug/L																
Bromochloromethane	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromochloromethane	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	2008-01	ug/L																
Bromodichloromethane	2008-03	ug/L																
Bromodichloromethane	2008-08	ug/L																
Bromodichloromethane	2008-09	ug/L																
Bromodichloromethane	2008-10	ug/L																
Bromodichloromethane	2009-03	ug/L																
Bromodichloromethane	2009-06	ug/L																
Bromodichloromethane	2009-09	ug/L																
Bromodichloromethane	2009-12	ug/L																
Bromodichloromethane	2010-03	ug/L																
Bromodichloromethane	2010-06	ug/L	<5.00	<5.00														
Bromodichloromethane	2010-08	ug/L	<1.00	<1.00														

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Bromodichloromethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Bromodichloromethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
Bromodichloromethane	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Bromodichloromethane	2011-07	ug/L	<1.00															
Bromodichloromethane	2011-08	ug/L		<1.00														
Bromodichloromethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2011-12	ug/L	<1.00	<1.00										<1.00	<1.00	<1.00	<1.00	
Bromodichloromethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2012-06	ug/L																
Bromodichloromethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2013-06	ug/L																
Bromodichloromethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2013-11	ug/L																
Bromodichloromethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	2014-06	ug/L																
Bromodichloromethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Bromodichloromethane	2014-12	ug/L															<1.00	
Bromodichloromethane	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	< 1	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
Bromodichloromethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Bromodichloromethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2017-12	ug/L					<1					<1						<1
Bromodichloromethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2018-07	ug/L										<1						
Bromodichloromethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2019-01	ug/L																
Bromodichloromethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2019-05	ug/L																
Bromodichloromethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2021-05	ug/L																
Bromodichloromethane	2021-08	ug/L																
Bromodichloromethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2021-12	ug/L																
Bromodichloromethane	2022-02	ug/L	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2022-07	ug/L			<1	<1	<1	<1										
Bromodichloromethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2023-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2023-05	ug/L			<1													
Bromodichloromethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Bromoform	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5	<5			
Bromoform	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Bromoform	2008-08	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromoform	2008-09	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromoform	2008-10	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromoform	2009-03	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Bromoform	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
Bromoform	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Bromodichloromethane	2010-09	ug/L	<1.00	<1.00														
Bromodichloromethane	2010-12	ug/L	<1.00	<1.00														
Bromodichloromethane	2011-03	ug/L	<1.00	<1.00														
Bromodichloromethane	2011-04	ug/L																
Bromodichloromethane	2011-06	ug/L																
Bromodichloromethane	2011-07	ug/L																
Bromodichloromethane	2011-08	ug/L																
Bromodichloromethane	2011-09	ug/L	<1.00	<1.00														
Bromodichloromethane	2011-12	ug/L																
Bromodichloromethane	2012-03	ug/L	<1.00	<1.00														
Bromodichloromethane	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
Bromodichloromethane	2012-10	ug/L																
Bromodichloromethane	2013-03	ug/L	<1.00								<1.00							
Bromodichloromethane	2013-06	ug/L			<1.00													
Bromodichloromethane	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Bromodichloromethane	2013-11	ug/L			<1.00													
Bromodichloromethane	2014-03	ug/L	<1.00		<1.00						<1.00							
Bromodichloromethane	2014-06	ug/L		<1.00	<1.00													
Bromodichloromethane	2014-09	ug/L	<1	<1	<1						<1							
Bromodichloromethane	2014-12	ug/L																
Bromodichloromethane	2015-04	ug/L	<1.00	<1.00	<1.00						<1							
Bromodichloromethane	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2017-12	ug/L			<1													
Bromodichloromethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Bromodichloromethane	2018-07	ug/L								<1								
Bromodichloromethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Bromodichloromethane	2019-01	ug/L								<1								
Bromodichloromethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Bromodichloromethane	2019-05	ug/L		<1						<1								
Bromodichloromethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Bromodichloromethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Bromodichloromethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Bromodichloromethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Bromodichloromethane	2021-05	ug/L	<1															
Bromodichloromethane	2021-08	ug/L						<1	<1									
Bromodichloromethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2021-12	ug/L	<1															
Bromodichloromethane	2022-02	ug/L						<1	<1									
Bromodichloromethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2022-07	ug/L																
Bromodichloromethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2023-05	ug/L																
Bromodichloromethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Bromodichloromethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	2008-01	ug/L																
Bromoform	2008-03	ug/L																
Bromoform	2008-08	ug/L																
Bromoform	2008-09	ug/L																
Bromoform	2008-10	ug/L																
Bromoform	2009-03	ug/L																
Bromoform	2009-06	ug/L																
Bromoform	2009-09	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Bromoform	2009-12	ug/L					<50.0	<50.0	<50.0	<20.0	<20.0			<20.0				
Bromoform	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Bromoform	2010-06	ug/L										<5.00	<5.00			<5.00	<5.00	<5.00
Bromoform	2010-08	ug/L										<5.00	<5.00			<5.00	<5.00	<5.00
Bromoform	2010-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
Bromoform	2011-03	ug/L		<5.00			<10.0	<5.00	<5.00	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00							<5.00
Bromoform	2011-06	ug/L		<5.00									<5.00		<5.00	<5.00	<5.00	
Bromoform	2011-07	ug/L	<5.00															
Bromoform	2011-08	ug/L		<5.00														
Bromoform	2011-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2011-12	ug/L	<5.00	<5.00												<5.00	<5.00	<5.00
Bromoform	2012-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2012-06	ug/L																
Bromoform	2012-10	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2013-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2013-06	ug/L																
Bromoform	2013-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2013-11	ug/L																
Bromoform	2014-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	2014-06	ug/L																
Bromoform	2014-09	ug/L	<5	<5			<5.00	<5.00	<5.00	<5.00	<5	<5	<5	<5.00	<5.00	<5.00	<5.00	<5
Bromoform	2014-12	ug/L																<5.00
Bromoform	2015-04	ug/L	<5.00	<5			<5	<5.00	<5	<5	<5	<5.00	<5.00			<5.00	<5	<5
Bromoform	2015-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2016-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2017-12	ug/L					<5					<5						<5
Bromoform	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2018-07	ug/L																
Bromoform	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2019-01	ug/L																
Bromoform	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2019-05	ug/L																
Bromoform	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2021-05	ug/L																
Bromoform	2021-08	ug/L																
Bromoform	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2021-12	ug/L																
Bromoform	2022-02	ug/L	<5		<5	<5												
Bromoform	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2022-07	ug/L			<5	<5												
Bromoform	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2023-04	ug/L	<5	<5		<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2023-05	ug/L			<5													
Bromoform	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromoform	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5
Bromomethane	2008-01	ug/L					<4	<4	<4.00	<4	<4	<4	<4	<4	<4			
Bromomethane	2008-03	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Bromomethane	2008-08	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Bromomethane	2008-09	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Bromoform	2009-12	ug/L																
Bromoform	2010-03	ug/L																
Bromoform	2010-06	ug/L	<5.00	<5.00														
Bromoform	2010-08	ug/L	<5.00	<5.00														
Bromoform	2010-09	ug/L	<5.00	<5.00														
Bromoform	2010-12	ug/L	<10.0	<10.0														
Bromoform	2011-03	ug/L	<5.00	<5.00														
Bromoform	2011-04	ug/L																
Bromoform	2011-06	ug/L																
Bromoform	2011-07	ug/L																
Bromoform	2011-08	ug/L																
Bromoform	2011-09	ug/L	<5.00	<5.00														
Bromoform	2011-12	ug/L																
Bromoform	2012-03	ug/L	<5.00	<5.00														
Bromoform	2012-06	ug/L									<5.00	<5.00		<5.00		<5.00	<5.00	
Bromoform	2012-10	ug/L																
Bromoform	2013-03	ug/L	<5.00								<5.00							
Bromoform	2013-06	ug/L			<5.00													
Bromoform	2013-09	ug/L	<5.00	<5.00	<5.00						<5.00							
Bromoform	2013-11	ug/L			<5.00													
Bromoform	2014-03	ug/L	<5.00		<5.00						<5.00							
Bromoform	2014-06	ug/L		<5.00	<5.00													
Bromoform	2014-09	ug/L	<5	<5	<5						<5							
Bromoform	2014-12	ug/L																
Bromoform	2015-04	ug/L	< 5.00	< 5.00	< 5.00						< 5							
Bromoform	2015-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2016-04	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2017-12	ug/L			<5													
Bromoform	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
Bromoform	2018-07	ug/L								<5								
Bromoform	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromoform	2019-01	ug/L								<5								
Bromoform	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromoform	2019-05	ug/L		<5						<5								
Bromoform	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromoform	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromoform	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
Bromoform	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
Bromoform	2021-05	ug/L	<5															
Bromoform	2021-08	ug/L						<5	<5									
Bromoform	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2021-12	ug/L	<5															
Bromoform	2022-02	ug/L						<5	<5									
Bromoform	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2022-07	ug/L																
Bromoform	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2023-05	ug/L																
Bromoform	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Bromoform	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	2008-01	ug/L																
Bromomethane	2008-03	ug/L																
Bromomethane	2008-08	ug/L																
Bromomethane	2008-09	ug/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Bromomethane	2008-10	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Bromomethane	2009-03	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Bromomethane	2009-06	ug/L					<20.0	<4	<4	<4.00	<4	<4	<4	<4.00	<4			
Bromomethane	2009-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Bromomethane	2009-12	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00			<4.00				
Bromomethane	2010-03	ug/L					<4.00	<4.00	<10.0	<10.0	<4.00	<4.00	<4.00	<10.0	<4.00			
Bromomethane	2010-06	ug/L									<4.00					<4.00	<4.00	<4.00
Bromomethane	2010-08	ug/L									<4.00	<4.00				<4.00	<4.00	<4.00
Bromomethane	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2010-12	ug/L									<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2011-03	ug/L		<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2011-04	ug/L					<4.00		<4.00	<40.0	<4.00						<4.00	
Bromomethane	2011-06	ug/L		<20.0									<20.0		<20.0	<20.0	<20.0	
Bromomethane	2011-07	ug/L	<4.00															
Bromomethane	2011-08	ug/L		<4.00														
Bromomethane	2011-09	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2011-12	ug/L	<4.00	<20.0										<4.00	<4.00	<4.00	<4.00	
Bromomethane	2012-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2012-06	ug/L																
Bromomethane	2012-10	ug/L	<20.0	<20.0			<20.0	<20.0	<20.0	<20.0	<20.0			<20.0	<20.0	<20.0	<20.0	<20.0
Bromomethane	2013-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2013-06	ug/L																
Bromomethane	2013-09	ug/L	<4.00	0.765			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2013-11	ug/L																
Bromomethane	2014-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	2014-06	ug/L																
Bromomethane	2014-09	ug/L	<4	<4			<4.00	<4.00	<4.00	<4.00	<4	<4	<4	<4.00	<4.00	<4.00	<4.00	<4
Bromomethane	2014-12	ug/L															<4.00	
Bromomethane	2015-04	ug/L	<4.00	<4			<4	<4.00	<4	0.327	<4	<4.00	<4.00			<4.00	<4	<4
Bromomethane	2015-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2016-04	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2016-10	ug/L	0.43 J	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2017-03	ug/L	0.222 J	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2017-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2017-12	ug/L					<4				<4							<4
Bromomethane	2018-04	ug/L	<4	<4	<4		<4	<4	<4	0.346 J	<4	<4	<4			0.222 J	<4	<4
Bromomethane	2018-07	ug/L										<4						
Bromomethane	2018-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2019-01	ug/L																
Bromomethane	2019-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2019-05	ug/L																
Bromomethane	2019-10	ug/L	<5	<5			<5	<4	<5	<5	<4	<5	<5			<5	<4	<5
Bromomethane	2020-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2020-09	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2021-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2021-05	ug/L																
Bromomethane	2021-08	ug/L																
Bromomethane	2021-10	ug/L	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2021-12	ug/L																
Bromomethane	2022-02	ug/L	<4		<4	<4												
Bromomethane	2022-04	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2022-07	ug/L			<4	<4												
Bromomethane	2022-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2023-04	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2023-05	ug/L			<4													
Bromomethane	2023-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2024-04	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	2024-09	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Bromomethane	2008-10	ug/L																
Bromomethane	2009-03	ug/L																
Bromomethane	2009-06	ug/L																
Bromomethane	2009-09	ug/L																
Bromomethane	2009-12	ug/L																
Bromomethane	2010-03	ug/L																
Bromomethane	2010-06	ug/L	<4.00	<4.00														
Bromomethane	2010-08	ug/L	<4.00	<4.00														
Bromomethane	2010-09	ug/L	<4.00	<4.00														
Bromomethane	2010-12	ug/L	<4.00	<4.00														
Bromomethane	2011-03	ug/L	<4.00	<4.00														
Bromomethane	2011-04	ug/L																
Bromomethane	2011-06	ug/L																
Bromomethane	2011-07	ug/L																
Bromomethane	2011-08	ug/L																
Bromomethane	2011-09	ug/L	<4.00	<4.00														
Bromomethane	2011-12	ug/L																
Bromomethane	2012-03	ug/L	<4.00	<4.00														
Bromomethane	2012-06	ug/L								<4.00	<4.00			<4.00		<4.00	<4.00	
Bromomethane	2012-10	ug/L																
Bromomethane	2013-03	ug/L	<4.00								<4.00							
Bromomethane	2013-06	ug/L			<4.00													
Bromomethane	2013-09	ug/L	<4.00	<4.00	<4.00						<4.00							
Bromomethane	2013-11	ug/L			<4.00													
Bromomethane	2014-03	ug/L	<4.00		<4.00						<4.00							
Bromomethane	2014-06	ug/L		<4.00	<4.00													
Bromomethane	2014-09	ug/L	<4	<4	<4						<4							
Bromomethane	2014-12	ug/L																
Bromomethane	2015-04	ug/L	< 4.00	< 4.00	< 4.00						< 4							
Bromomethane	2015-10	ug/L	<4	<4	<4						<4					<4	<4	
Bromomethane	2016-04	ug/L	<4	<b>0.286 J</b>	<b>0.301 J</b>						<4					<4	<4	
Bromomethane	2016-10	ug/L	<4	<4	<4						<4					<4	<4	
Bromomethane	2017-03	ug/L	<4	<4	<4						<b>0.286 J</b>					<4	<4	
Bromomethane	2017-10	ug/L	<4	<4	<4						<4					<4	<4	
Bromomethane	2017-12	ug/L			<4													
Bromomethane	2018-04	ug/L	<4	<4	<4						<4					<4	<4	
Bromomethane	2018-07	ug/L								<4								
Bromomethane	2018-10	ug/L	<4	<4	<4					<4	<4					<4	<4	
Bromomethane	2019-01	ug/L								<4								
Bromomethane	2019-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Bromomethane	2019-05	ug/L		<4						<4								
Bromomethane	2019-10	ug/L	<5	<4	<4					<5	<4					<4	<4	
Bromomethane	2020-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Bromomethane	2020-09	ug/L	<4	<4	<4					<4	<4					<4	<4	
Bromomethane	2021-03	ug/L	<4	<4	<4			<4	<4	<4	<4					<4	<4	
Bromomethane	2021-05	ug/L	<4															
Bromomethane	2021-08	ug/L						<4	<4									
Bromomethane	2021-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2021-12	ug/L	<4															
Bromomethane	2022-02	ug/L						<4	<4									
Bromomethane	2022-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2022-07	ug/L																
Bromomethane	2022-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2023-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2023-05	ug/L																
Bromomethane	2023-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2024-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Bromomethane	2024-09	ug/L	< 4	< 4	< 4			< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4



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Table 19  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Butylbenzylphthalate	2009-03	ug/L						<10	<10	<10								
Butylbenzylphthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Butylbenzylphthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Butylbenzylphthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Butylbenzylphthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
Butylbenzylphthalate	2010-06	ug/L										<10.0						
Butylbenzylphthalate	2010-08	ug/L										<10.0	<10.0					
Butylbenzylphthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Butylbenzylphthalate	2010-12	ug/L										<10.0						
Butylbenzylphthalate	2011-03	ug/L											<10.0		<10.0			
Butylbenzylphthalate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Butylbenzylphthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Butylbenzylphthalate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Butylbenzylphthalate	2012-03	ug/L													<10.0	<10.0	<10.0	
Butylbenzylphthalate	2014-12	ug/L															<10.2	
Butylbenzylphthalate	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Butylbenzylphthalate	2017-10	ug/L						<10.5										
Butylbenzylphthalate	2017-12	ug/L					<10.6					<10.4						<10.4
Butylbenzylphthalate	2018-07	ug/L											<10.4					
Butylbenzylphthalate	2018-10	ug/L											<10.4					
Butylbenzylphthalate	2019-05	ug/L																
Butylbenzylphthalate	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Butylbenzylphthalate	2021-12	ug/L																
Butylbenzylphthalate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Butylbenzylphthalate	2024-04	ug/L											<10.6					
Cadmium	2008-01	mg/L					<0.0005	<b>0.000986</b>	<0.000500	<0.0005	<0.0005	<b>0.000509</b>	<0.0005	<0.0005	<0.0005	<0.000500	<0.000500	<0.000500
Cadmium	2008-03	mg/L					<0.000500	<b>0.000800</b>	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2008-08	mg/L					<0.0005	<b>0.000969</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	2008-09	mg/L					<0.0005	<b>0.00137</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	2008-10	mg/L					<0.0005	<b>0.00145</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	2009-03	mg/L					<0.0005	<b>0.000701</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	2009-06	mg/L					<0.000500	<0.0005	<0.0005	<0.000500	<0.0005			<0.000500				
Cadmium	2009-09	mg/L					<0.000500	<b>0.00154</b>	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2009-12	mg/L					<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2010-03	mg/L					<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2010-06	mg/L										<0.000500			<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2010-08	mg/L										<0.000500	<0.000500			<0.000500	<0.000500	<0.000500
Cadmium	2010-09	mg/L					<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2010-12	mg/L										<0.000500			<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2011-03	mg/L		<0.000500			<0.000500	<b>0.000505</b>	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2011-06	mg/L		<0.000500									<0.000500		<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2011-07	mg/L	<0.000500															
Cadmium	2011-08	mg/L		<0.000500														
Cadmium	2011-09	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000590</b>	<0.000500	<0.000500	<0.000500	<0.000500		<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2011-12	mg/L	<0.000500	<0.000500											<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2012-03	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000578</b>	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2012-04	mg/L																
Cadmium	2012-06	mg/L																
Cadmium	2012-10	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000537</b>	<0.000500	<0.000500	<0.000500			<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2013-03	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000526</b>	<0.000500	<0.000500	<0.000500	<0.000500		<0.000500	<0.000500	<b>0.00123</b>	<0.000500	<b>0.000359</b>
Cadmium	2013-06	mg/L																
Cadmium	2013-09	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000329</b>	<0.000500	<0.000500	<0.000500	<0.000500		<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	2013-11	mg/L																
Cadmium	2013-12	mg/L																
Cadmium	2014-03	mg/L	<0.000500	<0.000500			<0.000500	<b>0.000330</b>	<b>0.000144</b>	<b>0.0000860</b>	<b>0.000115</b>	<b>0.000121</b>	<b>0.0000839</b>	<b>0.0000952</b>	<b>0.0000759</b>	<b>0.000442</b>	<0.000500	<0.000500
Cadmium	2014-06	mg/L																
Cadmium	2014-09	mg/L	<0.0005	<0.0005			<0.000500	<b>0.000113</b>	<0.000500	<0.000500	<0.0005	<b>0.00149</b>	<0.0005	<0.000500	<0.000500	<b>0.000449</b>	<0.000500	<b>0.000221</b>
Cadmium	2014-12	mg/L																<0.000500

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)	
Butylbenzylphthalate	2009-03	ug/L																	
Butylbenzylphthalate	2009-06	ug/L																	
Butylbenzylphthalate	2009-09	ug/L																	
Butylbenzylphthalate	2009-12	ug/L																	
Butylbenzylphthalate	2010-03	ug/L																	
Butylbenzylphthalate	2010-06	ug/L																	
Butylbenzylphthalate	2010-08	ug/L																	
Butylbenzylphthalate	2010-09	ug/L																	
Butylbenzylphthalate	2010-12	ug/L																	
Butylbenzylphthalate	2011-03	ug/L																	
Butylbenzylphthalate	2011-06	ug/L																	
Butylbenzylphthalate	2011-09	ug/L																	
Butylbenzylphthalate	2011-12	ug/L																	
Butylbenzylphthalate	2012-03	ug/L																	
Butylbenzylphthalate	2014-12	ug/L																	
Butylbenzylphthalate	2016-10	ug/L									<10.4					<10.3	<10.2		
Butylbenzylphthalate	2017-10	ug/L																	
Butylbenzylphthalate	2017-12	ug/L			<10.4														
Butylbenzylphthalate	2018-07	ug/L								<10.1									
Butylbenzylphthalate	2018-10	ug/L								<10.3									
Butylbenzylphthalate	2019-05	ug/L		<10.1															
Butylbenzylphthalate	2021-10	ug/L																	
Butylbenzylphthalate	2021-12	ug/L	<10.5																
Butylbenzylphthalate	2022-10	ug/L			<8.77														
Butylbenzylphthalate	2024-04	ug/L		<10.2															
Cadmium	2008-01	mg/L																	
Cadmium	2008-03	mg/L																	
Cadmium	2008-08	mg/L																	
Cadmium	2008-09	mg/L																	
Cadmium	2008-10	mg/L																	
Cadmium	2009-03	mg/L																	
Cadmium	2009-06	mg/L																	
Cadmium	2009-09	mg/L																	
Cadmium	2009-12	mg/L																	
Cadmium	2010-03	mg/L																	
Cadmium	2010-06	mg/L	<0.000500	<0.000500															
Cadmium	2010-08	mg/L	<0.000500	<0.000500															
Cadmium	2010-09	mg/L	<0.000500	<0.000500															
Cadmium	2010-12	mg/L	<0.000500	<0.000500															
Cadmium	2011-03	mg/L	<0.000500	<0.000500															
Cadmium	2011-06	mg/L																	
Cadmium	2011-07	mg/L																	
Cadmium	2011-08	mg/L																	
Cadmium	2011-09	mg/L	<0.000500	<0.000500															
Cadmium	2011-12	mg/L																	
Cadmium	2012-03	mg/L	<0.000500	<0.000500															
Cadmium	2012-04	mg/L									0.00212	<0.000500		<0.000500		0.00123	0.00153		
Cadmium	2012-06	mg/L									0.00148	<0.000500		<0.000500		0.000857	0.000979		
Cadmium	2012-10	mg/L									<0.000500			<0.000500		<0.000500	<0.000500		
Cadmium	2013-03	mg/L	<0.000500								0.000280					0.00124	<0.000500		
Cadmium	2013-06	mg/L			<0.000500														
Cadmium	2013-09	mg/L	0.00214	<0.000500	0.000430						0.00119					0.00173	<0.000500		
Cadmium	2013-11	mg/L			0.000229														
Cadmium	2013-12	mg/L	0.00174																
Cadmium	2014-03	mg/L	0.000883		<0.000500						<0.000500					0.00128	<0.000500		
Cadmium	2014-06	mg/L		0.000212	0.00588														
Cadmium	2014-09	mg/L	0.000291	<0.0005	<0.0005						<0.0005					0.000114	<0.0005		
Cadmium	2014-12	mg/L																	

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Cadmium	2015-04	mg/L	< 0.000500	< 0.0005			< 0.0005	0.000202	< 0.0005	<0.0005-e	<0.0005-e	< 0.000500	< 0.000500			< 0.000500	<0.0005-e	0.000272
Cadmium	2015-10	mg/L	<0.0005	<0.0005			<0.0005	0.000175 J	<0.0005	<0.0005	<0.0005	0.000158 J				0.000228 J	<0.0005	0.000129 J
Cadmium	2016-04	mg/L	<0.0005	<0.0005			<0.0005	0.000092 J	<0.0005	<0.0005	<0.0005	0.000087 J	<0.0005			0.000073 J	<0.0005	<0.0005
Cadmium	2016-10	mg/L	<0.0005	<0.0005			<0.0005	0.00014 J	<0.0005	<0.0005	<0.0005	0.000218	0.000065			0.000244 J	0.000061 J	0.000043
Cadmium	2017-03	mg/L	<0.0005	<0.0005			<0.0005	0.000116 J	0.000153 J	<0.0005	<0.0005	0.000124 J	<0.0005			0.000067 J	<0.0005	<0.0005
Cadmium	2017-10	mg/L	<0.0005	<0.0005			<0.0005	0.000132 J	<0.0005	<0.0005	<0.0005	0.000448 J				0.000094 J	<0.0005	<0.0005
Cadmium	2017-12	mg/L					<0.0005					0.000399 J						0.000094 J
Cadmium	2018-04	mg/L	<0.0005	0.000398 J	<0.0005		<0.0005	0.000268 J	<0.0005	<0.0005	<0.0005	0.000101 J	0.00013 J			0.000599	<0.0005	0.000084 J
Cadmium	2018-07	mg/L											0.000155 J					
Cadmium	2018-10	mg/L	<0.0005	<0.0005			<0.0005	0.000118 J	<0.0005	<0.0005	<0.0005	0.00009 J	<0.0005			0.000182 J	<0.0005	<0.0005
Cadmium	2019-01	mg/L																
Cadmium	2019-03	mg/L	<0.0005	<0.0005			<0.0005	0.000121 J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005
Cadmium	2019-05	mg/L																
Cadmium	2019-10	mg/L	<0.0001	<0.0001			0.000068 J	0.000123	<0.0001	<0.0001	<0.0001	0.000117	0.000081 J			0.000299	<0.0001	0.000117
Cadmium	2020-03	mg/L	<0.0001	<0.0001			0.000209-e	0.000068 J	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			0.00017	<0.0001	<0.0001
Cadmium	2020-09	mg/L	<0.0001	<0.0001			0.00009 J	0.000087 J	<0.0001	<0.0001	<0.0001	0.00018	<0.0001			0.000165	<0.0001	0.000064 J
Cadmium	2020-11	mg/L	<0.0001															
Cadmium	2020-12	mg/L	<0.0001															
Cadmium	2021-03	mg/L	<0.0001	<0.0001			0.000078 J	0.000063 J	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			0.000067 J	<0.0001	<0.0001
Cadmium	2021-05	mg/L																
Cadmium	2021-08	mg/L																
Cadmium	2021-10	mg/L	<0.0001	<0.0001	<0.0001		0.000149	0.000096 J	<0.0001	<0.0001	<0.0001	0.000368	<0.0001			0.000057 J	<0.0001	<0.0001
Cadmium	2021-12	mg/L																
Cadmium	2022-02	mg/L	<0.0001		<0.0001	<0.0001												
Cadmium	2022-04	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000185	0.000122	<0.0001	<0.0001	<0.0001	0.000078 J			<0.0001	<0.0001	<0.0001
Cadmium	2022-07	mg/L			0.000073 J	<0.0001												
Cadmium	2022-10	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	0.000132	0.00018	<0.0001	<0.0001	<0.0001	0.000659				0.000084 J	<0.0001	<0.0001
Cadmium	2023-04	mg/L	<0.0002	<0.0002			0.000102 J	<0.0002	0.000144 J	<0.0002	<0.0002	<0.0002	0.000177 J	<0.0002		<0.0002	<0.0002	<0.0002
Cadmium	2023-05	mg/L			<0.0002													
Cadmium	2023-06	mg/L																
Cadmium	2023-10	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	0.000134 J	0.00053	<0.0002	<0.0002	<0.0002	0.000488				<0.0002	0.00026-e	<0.0002
Cadmium	2024-04	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000211	0.000119 J	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
Cadmium	2024-05	mg/L																
Cadmium	2024-09	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000181 J	0.000181 J	0.000138 J	< 0.0002	< 0.0002	0.000168 J	< 0.0002			0.000295	< 0.0002	< 0.0002
Carbon Disulfide	2008-01	ug/L					<1-	<1-	<1.00	<1-	<1-	<1-	<1-	<1-	<1-			
Carbon Disulfide	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Carbon Disulfide	2008-08	ug/L					<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-			
Carbon Disulfide	2008-09	ug/L					0.23	<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-			
Carbon Disulfide	2008-10	ug/L					<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-			
Carbon Disulfide	2009-03	ug/L					<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-	<1-			
Carbon Disulfide	2009-06	ug/L					<5.00	<1-	<1-	<1.00	<1-			<1.00				
Carbon Disulfide	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Carbon Disulfide	2009-12	ug/L					<10.0	<10.0	<10.0	<1.00	<1.00			<1.00				
Carbon Disulfide	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Carbon Disulfide	2010-06	ug/L										<1.00				<5.00	<5.00	<5.00
Carbon Disulfide	2010-08	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Carbon Disulfide	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Carbon Disulfide	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Carbon Disulfide	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2011-04	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00					<1.00	<1.00	<1.00
Carbon Disulfide	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2011-07	ug/L	<1.00															
Carbon Disulfide	2011-08	ug/L		<1.00														
Carbon Disulfide	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2011-12	ug/L	<1.00	<1.00												<1.00	<1.00	<1.00
Carbon Disulfide	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2012-06	ug/L																
Carbon Disulfide	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Cadmium	2015-04	mg/L	0.000799	< 0.000500	<0.0005						<0.0005					< 0.000500	<0.000500	
Cadmium	2015-10	mg/L	0.00013 J	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2016-04	mg/L	<0.0005	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2016-10	mg/L	0.000401 J	0.000052 J	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2017-03	mg/L	0.00043 J	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2017-10	mg/L	<0.0005	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2017-12	mg/L			<0.0005													
Cadmium	2018-04	mg/L	0.000119 J	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Cadmium	2018-07	mg/L								<0.0005								
Cadmium	2018-10	mg/L	<0.0005	<0.0005	0.000063 J					<0.0005	0.000065 J					<0.0005	<0.0005	
Cadmium	2019-01	mg/L								<0.0005								
Cadmium	2019-03	mg/L	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005					<0.0005	<0.0005	
Cadmium	2019-05	mg/L		<0.0005						<0.0005								
Cadmium	2019-10	mg/L	<0.0001	<0.0001	<0.0001					<0.0001	<0.0001					<0.0001	<0.0001	
Cadmium	2020-03	mg/L	<0.0001	0.000062 J	<0.0001					<0.0001	<0.0001					<0.0001	<0.0001	
Cadmium	2020-09	mg/L	<0.0001	<0.0001	<0.0001					<0.0001	<0.0001					<0.0001	<0.0001	
Cadmium	2020-11	mg/L																
Cadmium	2020-12	mg/L																
Cadmium	2021-03	mg/L	0.000371	0.000127	0.000059 J			<0.0001	0.000126	<0.0001	<0.0001					<0.0001	<0.0001	
Cadmium	2021-05	mg/L	0.00036															
Cadmium	2021-08	mg/L						0.000065 J	0.000079 J									
Cadmium	2021-10	mg/L	0.000443	0.000063 J	<0.0001			<0.0001	0.000194	<0.0001	0.000139							
Cadmium	2021-12	mg/L	0.000129															
Cadmium	2022-02	mg/L						0.000213	0.000157									
Cadmium	2022-04	mg/L	0.000924	0.00014	<0.0001			0.000082 J	<0.0001	<0.0001	<0.0001							
Cadmium	2022-07	mg/L																
Cadmium	2022-10	mg/L	<0.0001	0.000085 J	<0.0001			<0.0001	<0.0001	<0.0001	0.000081 J							
Cadmium	2023-04	mg/L	0.00629	<0.0002	<0.0002			0.000148 J	<0.0002	<0.0002	<0.0002							
Cadmium	2023-05	mg/L																
Cadmium	2023-06	mg/L	0.00607															
Cadmium	2023-10	mg/L	0.00172	<0.0002	<0.0002			<0.0002	0.000105 J	<0.0002	<0.0002							
Cadmium	2024-04	mg/L	0.000173 J	<0.0002	<0.0002			0.000875	<0.0002	<0.0002	<0.0002							
Cadmium	2024-05	mg/L						0.000576				0.000173 J	<0.0002	<0.0002	<0.0002			<0.0002
Cadmium	2024-09	mg/L	< 0.0002	0.000117 J	< 0.0002			0.000314	< 0.0002	< 0.0002	< 0.0002	0.000246	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Carbon Disulfide	2008-01	ug/L																
Carbon Disulfide	2008-03	ug/L																
Carbon Disulfide	2008-08	ug/L																
Carbon Disulfide	2008-09	ug/L																
Carbon Disulfide	2008-10	ug/L																
Carbon Disulfide	2009-03	ug/L																
Carbon Disulfide	2009-06	ug/L																
Carbon Disulfide	2009-09	ug/L																
Carbon Disulfide	2009-12	ug/L																
Carbon Disulfide	2010-03	ug/L																
Carbon Disulfide	2010-06	ug/L	< 5.00	< 5.00														
Carbon Disulfide	2010-08	ug/L	< 4.00	< 4.00														
Carbon Disulfide	2010-09	ug/L	< 4.00	< 4.00														
Carbon Disulfide	2010-12	ug/L	< 1.00	< 1.00														
Carbon Disulfide	2011-03	ug/L	< 1.00	< 1.00														
Carbon Disulfide	2011-04	ug/L																
Carbon Disulfide	2011-06	ug/L																
Carbon Disulfide	2011-07	ug/L																
Carbon Disulfide	2011-08	ug/L																
Carbon Disulfide	2011-09	ug/L	< 1.00	< 1.00														
Carbon Disulfide	2011-12	ug/L																
Carbon Disulfide	2012-03	ug/L	< 1.00	< 1.00														
Carbon Disulfide	2012-06	ug/L									< 1.00	< 1.00		< 1.00		< 1.00	< 1.00	
Carbon Disulfide	2012-10	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Carbon Disulfide	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2013-06	ug/L																
Carbon Disulfide	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2013-11	ug/L																
Carbon Disulfide	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon Disulfide	2014-06	ug/L																
Carbon Disulfide	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Carbon Disulfide	2014-12	ug/L															<1.00	
Carbon Disulfide	2015-04	ug/L	< 1.00	< 1			<1.00	< 1.00	< 1	< 1	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
Carbon Disulfide	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2016-04	ug/L	<1	<1			<1	<1	<1	<1	0.231 J	<1	<1			<1	<1	<1
Carbon Disulfide	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Carbon Disulfide	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Carbon Disulfide	2017-10	ug/L	<1	<1			<1	<1	<1	0.161 J	<1	<1	<1			<1	<1	<1
Carbon Disulfide	2017-12	ug/L					0.993 Je					<1						0.581 Je
Carbon Disulfide	2018-04	ug/L	<1	<1	<1		<1	<1	<1	0.384 J	<1	<1	<1			<1	<1	<1
Carbon Disulfide	2018-07	ug/L										<1						
Carbon Disulfide	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2019-01	ug/L																
Carbon Disulfide	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2019-05	ug/L																
Carbon Disulfide	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2021-05	ug/L																
Carbon Disulfide	2021-08	ug/L																
Carbon Disulfide	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2021-12	ug/L																
Carbon Disulfide	2022-02	ug/L	<1		<1	<1												
Carbon Disulfide	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2022-07	ug/L			<1	<1												
Carbon Disulfide	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2023-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2023-05	ug/L			<1													
Carbon Disulfide	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Carbon Disulfide	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				< 1	< 1	< 1
Carbon Tetrachloride	2008-01	ug/L					<2	<2	<2.00	<2	<2	<2	<2	<2	<2			
Carbon Tetrachloride	2008-03	ug/L					<2.00	<2.00	3.08	<2.00	2.93	<2.00	<2.00	<2.00	<2.00			
Carbon Tetrachloride	2008-08	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Carbon Tetrachloride	2008-09	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Carbon Tetrachloride	2008-10	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Carbon Tetrachloride	2009-03	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Carbon Tetrachloride	2009-06	ug/L					<10.0	<2	<2	<2.00	<2			<2.00				
Carbon Tetrachloride	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Carbon Tetrachloride	2009-12	ug/L					<5.00	<5.00	<5.00	<2.00	<2.00	<2.00		<2.00				
Carbon Tetrachloride	2010-03	ug/L					<2.00	<2.00	<10.0	<10.0	<2.00	<2.00	<2.00	<10.0	<2.00			
Carbon Tetrachloride	2010-06	ug/L										<4.00				<4.00	<4.00	<4.00
Carbon Tetrachloride	2010-08	ug/L										<5.00	<5.00			<5.00	<5.00	<5.00
Carbon Tetrachloride	2010-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Carbon Tetrachloride	2010-12	ug/L										<5.00				<5.00	<5.00	<5.00
Carbon Tetrachloride	2011-03	ug/L		<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Carbon Tetrachloride	2011-04	ug/L					<2.00		<2.00	<20.0	<2.00						<2.00	
Carbon Tetrachloride	2011-06	ug/L		<2.00								<2.00		<2.00	<2.00	<2.00	<2.00	
Carbon Tetrachloride	2011-07	ug/L	<2.00															
Carbon Tetrachloride	2011-08	ug/L		<2.00														
Carbon Tetrachloride	2011-09	ug/L	<2.00	<2.00			<4.00	<4.00	<4.00	<40.0	<2.00	<2.00		<4.00	<4.00	<4.00	<4.00	<2.00

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Carbon Disulfide	2013-03	ug/L	<1.00								<1.00							
Carbon Disulfide	2013-06	ug/L			<1.00													
Carbon Disulfide	2013-09	ug/L	<1.00	<1.00	<1.00						0.273							
Carbon Disulfide	2013-11	ug/L			<1.00													
Carbon Disulfide	2014-03	ug/L	<1.00		<1.00						<1.00							
Carbon Disulfide	2014-06	ug/L		<1.00	<1.00													
Carbon Disulfide	2014-09	ug/L	<1	<1	<1						<1							
Carbon Disulfide	2014-12	ug/L																
Carbon Disulfide	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Carbon Disulfide	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Carbon Disulfide	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Carbon Disulfide	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Carbon Disulfide	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Carbon Disulfide	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Carbon Disulfide	2017-12	ug/L			0.324 Je													
Carbon Disulfide	2018-04	ug/L	<1	<1	<1						0.18 J					<1	<1	
Carbon Disulfide	2018-07	ug/L								<1								
Carbon Disulfide	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Carbon Disulfide	2019-01	ug/L								<1								
Carbon Disulfide	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Carbon Disulfide	2019-05	ug/L		<1						<1								
Carbon Disulfide	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Carbon Disulfide	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Carbon Disulfide	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Carbon Disulfide	2021-03	ug/L	<1	<1	<1			<1	<1	0.679 Je	<1					<1	<1	
Carbon Disulfide	2021-05	ug/L	<1															
Carbon Disulfide	2021-08	ug/L						<1	<1									
Carbon Disulfide	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2021-12	ug/L	<1															
Carbon Disulfide	2022-02	ug/L						<1	<1									
Carbon Disulfide	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2022-07	ug/L																
Carbon Disulfide	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2023-05	ug/L																
Carbon Disulfide	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Carbon Disulfide	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	2008-01	ug/L																
Carbon Tetrachloride	2008-03	ug/L																
Carbon Tetrachloride	2008-08	ug/L																
Carbon Tetrachloride	2008-09	ug/L																
Carbon Tetrachloride	2008-10	ug/L																
Carbon Tetrachloride	2009-03	ug/L																
Carbon Tetrachloride	2009-06	ug/L																
Carbon Tetrachloride	2009-09	ug/L																
Carbon Tetrachloride	2009-12	ug/L																
Carbon Tetrachloride	2010-03	ug/L																
Carbon Tetrachloride	2010-06	ug/L	<4.00	<4.00														
Carbon Tetrachloride	2010-08	ug/L	<5.00	<5.00														
Carbon Tetrachloride	2010-09	ug/L	<5.00	<5.00														
Carbon Tetrachloride	2010-12	ug/L	<5.00	<5.00														
Carbon Tetrachloride	2011-03	ug/L	<2.00	<2.00														
Carbon Tetrachloride	2011-04	ug/L																
Carbon Tetrachloride	2011-06	ug/L																
Carbon Tetrachloride	2011-07	ug/L																
Carbon Tetrachloride	2011-08	ug/L																
Carbon Tetrachloride	2011-09	ug/L	<2.00	<2.00														

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Carbon Tetrachloride	2011-12	ug/L	<2.00	<2.00											<2.00	<2.00	<2.00	
Carbon Tetrachloride	2012-03	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
Carbon Tetrachloride	2012-06	ug/L																
Carbon Tetrachloride	2012-10	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
Carbon Tetrachloride	2013-03	ug/L	<2.00	<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00
Carbon Tetrachloride	2013-06	ug/L																
Carbon Tetrachloride	2013-09	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
Carbon Tetrachloride	2013-11	ug/L																
Carbon Tetrachloride	2014-03	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
Carbon Tetrachloride	2014-06	ug/L																
Carbon Tetrachloride	2014-09	ug/L	<2	<2			<2.00	<2.00	<2.00	<2.00	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2
Carbon Tetrachloride	2014-12	ug/L															<2.00	
Carbon Tetrachloride	2015-04	ug/L	< 2.00	< 2			< 2	< 2.00	< 2	< 2	< 2	< 2.00	< 2.00			< 2.00	< 2	< 2
Carbon Tetrachloride	2015-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2016-04	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Carbon Tetrachloride	2016-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Carbon Tetrachloride	2017-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2	<2			<2	<2	<2
Carbon Tetrachloride	2017-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2017-12	ug/L					<2				<2							<2
Carbon Tetrachloride	2018-04	ug/L	<2	<2	<2		<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2018-07	ug/L											<2					
Carbon Tetrachloride	2018-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2019-01	ug/L																
Carbon Tetrachloride	2019-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2019-05	ug/L																
Carbon Tetrachloride	2019-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2020-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2020-09	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2021-03	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2021-05	ug/L																
Carbon Tetrachloride	2021-08	ug/L																
Carbon Tetrachloride	2021-10	ug/L	<2	<2	<2		<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2021-12	ug/L																
Carbon Tetrachloride	2022-02	ug/L	<2		<2	<2												
Carbon Tetrachloride	2022-04	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2022-07	ug/L			<2	<2												
Carbon Tetrachloride	2022-10	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2023-04	ug/L	<2	<2		<2	<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2023-05	ug/L			<2													
Carbon Tetrachloride	2023-10	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2024-04	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				<2	<2	<2
Carbon Tetrachloride	2024-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2				< 2	< 2	< 2
Chlorobenzene	2008-01	ug/L					<1	<1	4.54	9.31	<1	<1	<1	<1	<1			
Chlorobenzene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Chlorobenzene	2008-08	ug/L					<1	<1	5.06	9.34	1.57	<1	<1	0.63	<1			
Chlorobenzene	2008-09	ug/L					<1	0.57	5.26	11.2	1.32	<1	<1	0.67	<1			
Chlorobenzene	2008-10	ug/L					<1	0.63	5.39	11.6	1.35	<1	<1	0.54	<1			
Chlorobenzene	2009-03	ug/L					<1	0.18	3.49	9.72	<1	<1	<1	<1	<1			
Chlorobenzene	2009-06	ug/L					<5.00	<1	4.93	10.6	1.01			<1.00				
Chlorobenzene	2009-09	ug/L					<1.00	<1.00	6.17	10.1	1.26	<1.00	<1.00	<1.00	<1.00			
Chlorobenzene	2009-12	ug/L					<2.00	<2.00	5.63	9.01	1.13			<1.00				
Chlorobenzene	2010-03	ug/L					<1.00	<1.00	5.07	10.3	1.00	<1.00	<1.00	<5.00	<1.00			
Chlorobenzene	2010-06	ug/L										<1.00	<1.00			3.57	<1.00	<1.00
Chlorobenzene	2010-08	ug/L										<1.00	<1.00			4.48	<1.00	<1.00
Chlorobenzene	2010-09	ug/L					<1.00	<1.00	6.02	13.1	1.08	<1.00	<1.00	<1.00	<1.00	4.55	<1.00	<1.00
Chlorobenzene	2010-12	ug/L										<1.00	<1.00			5.16	<1.00	<1.00
Chlorobenzene	2011-03	ug/L		<1.00			<1.00	<1.00	5.71	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	3.26	<1.00	<1.00
Chlorobenzene	2011-04	ug/L					<1.00		3.01	<10.0	<1.00						<1.00	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Carbon Tetrachloride	2011-12	ug/L																
Carbon Tetrachloride	2012-03	ug/L	<2.00	<2.00														
Carbon Tetrachloride	2012-06	ug/L									<2.00	<2.00		<2.00		<2.00	<2.00	
Carbon Tetrachloride	2012-10	ug/L																
Carbon Tetrachloride	2013-03	ug/L	<2.00								<2.00							
Carbon Tetrachloride	2013-06	ug/L			<2.00													
Carbon Tetrachloride	2013-09	ug/L	<2.00	<2.00							<2.00							
Carbon Tetrachloride	2013-11	ug/L			<2.00													
Carbon Tetrachloride	2014-03	ug/L	<2.00		<2.00						<2.00							
Carbon Tetrachloride	2014-06	ug/L		<2.00	<2.00													
Carbon Tetrachloride	2014-09	ug/L	<2	<2	<2						<2							
Carbon Tetrachloride	2014-12	ug/L																
Carbon Tetrachloride	2015-04	ug/L	< 2.00	< 2.00	< 2.00						< 2							
Carbon Tetrachloride	2015-10	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2016-04	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2016-10	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2017-03	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2017-10	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2017-12	ug/L			<2													
Carbon Tetrachloride	2018-04	ug/L	<2	<2	<2						<2					<2	<2	
Carbon Tetrachloride	2018-07	ug/L								<2								
Carbon Tetrachloride	2018-10	ug/L	<2	<2	<2					<2	<2					<2	<2	
Carbon Tetrachloride	2019-01	ug/L								<2								
Carbon Tetrachloride	2019-03	ug/L	<2	<2	<2					<2	<2					<2	<2	
Carbon Tetrachloride	2019-05	ug/L		<2						<2								
Carbon Tetrachloride	2019-10	ug/L	<2	<2	<2					<2	<2					<2	<2	
Carbon Tetrachloride	2020-03	ug/L	<2	<2	<2					<2	<2					<2	<2	
Carbon Tetrachloride	2020-09	ug/L	<2	<2	<2					<2	<2					<2	<2	
Carbon Tetrachloride	2021-03	ug/L	<2	<2	<2			<2	<2	<2	<2					<2	<2	
Carbon Tetrachloride	2021-05	ug/L	<2															
Carbon Tetrachloride	2021-08	ug/L						<2	<2									
Carbon Tetrachloride	2021-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2021-12	ug/L	<2															
Carbon Tetrachloride	2022-02	ug/L						<2	<2									
Carbon Tetrachloride	2022-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2022-07	ug/L																
Carbon Tetrachloride	2022-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2023-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2023-05	ug/L																
Carbon Tetrachloride	2023-10	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2024-04	ug/L	<2	<2	<2			<2	<2	<2	<2							
Carbon Tetrachloride	2024-09	ug/L	< 2	< 2	< 2			< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	2008-01	ug/L																
Chlorobenzene	2008-03	ug/L																
Chlorobenzene	2008-08	ug/L																
Chlorobenzene	2008-09	ug/L																
Chlorobenzene	2008-10	ug/L																
Chlorobenzene	2009-03	ug/L																
Chlorobenzene	2009-06	ug/L																
Chlorobenzene	2009-09	ug/L																
Chlorobenzene	2009-12	ug/L																
Chlorobenzene	2010-03	ug/L																
Chlorobenzene	2010-06	ug/L	<1.00	<1.00														
Chlorobenzene	2010-08	ug/L	<1.00	<1.00														
Chlorobenzene	2010-09	ug/L	<1.00	<1.00														
Chlorobenzene	2010-12	ug/L	<1.00	<1.00														
Chlorobenzene	2011-03	ug/L	<1.00	<1.00														
Chlorobenzene	2011-04	ug/L																



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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Chlorobenzene	2011-06	ug/L		<1.00									<1.00		<1.00	3.55	<1.00	
Chlorobenzene	2011-07	ug/L	<1.00															
Chlorobenzene	2011-08	ug/L		<1.00														
Chlorobenzene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	8.09	12.0	1.00	<1.00		<1.00	<1.00	6.03	<1.00	<1.00
Chlorobenzene	2011-12	ug/L	<1.00	<1.00											<1.00	4.49	<1.00	
Chlorobenzene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	6.46	6.37	1.00	<1.00	<1.00	<1.00	<1.00	3.56	<1.00	<1.00
Chlorobenzene	2012-06	ug/L																
Chlorobenzene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	7.29	1.18	<1.00			<1.00	<1.00	5.70	<1.00	<1.00
Chlorobenzene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	6.27	10.3	<1.00	<1.00		0.734	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	2013-06	ug/L																
Chlorobenzene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	9.24	15.2	1.04	<1.00		0.897	<1.00	5.41	0.610	<1.00
Chlorobenzene	2013-11	ug/L																
Chlorobenzene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	4.87	10.2	0.799	<1.00	<1.00	0.450	<1.00	<1.00	1.08	<1.00
Chlorobenzene	2014-06	ug/L																
Chlorobenzene	2014-09	ug/L	<1	<1			<1.00	<1.00	6.31	11.4	<1	<1	<1	0.873	<1.00	<1.00	1.03	<1
Chlorobenzene	2014-12	ug/L															1.25	
Chlorobenzene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	4.26	9.39	0.723	< 1.00	< 1.00			< 1.00	1.03	< 1
Chlorobenzene	2015-10	ug/L	<1	<1			<1	<1	7.63	10.8	0.894 J	<1	<1			2.73	0.949 J	<1
Chlorobenzene	2016-04	ug/L	<1	<1			<1	<1	5.23	7.57	0.63 J	<1	<1			1.37	1.22	<1
Chlorobenzene	2016-10	ug/L	<1	<1			<1	<1	7.48	7.42	<1	<1	<1			<1	<1	<1
Chlorobenzene	2017-03	ug/L	<1	<1			<1	<1	4.62	5.68	<1	<1	<1			<1	0.627 J	<1
Chlorobenzene	2017-10	ug/L	<1	<1			<1	<1	4.98	8.05	0.922 J	<1	<1			2.96	0.784 J	<1
Chlorobenzene	2017-12	ug/L					<1											<1
Chlorobenzene	2018-04	ug/L	<1	<1	<1		<1	<1	6.49	5.56	0.632 J	<1	<1			0.355 J	0.224 J	<1
Chlorobenzene	2018-07	ug/L											<1					
Chlorobenzene	2018-10	ug/L	<1	<1			<1	<1	7.77	7.28	<1	<1	<1			<1	<1	<1
Chlorobenzene	2019-01	ug/L																
Chlorobenzene	2019-03	ug/L	<1	<1			<1	<1	6.6	8.31	0.752	<1	<1			<1	<1	<1
Chlorobenzene	2019-05	ug/L																
Chlorobenzene	2019-10	ug/L	<1	<1			<1	<1	5.92	5.56	0.765 J	<1	<1			0.93 J	0.534 J	<1
Chlorobenzene	2020-03	ug/L	<1	<1			<1	<1	3.11	6.07	0.79 J	<1	<1			0.507 J	0.581 J	<1
Chlorobenzene	2020-09	ug/L	<1	<1			<1	<1	4.02	7.83	0.828 J	<1	<1			1.04	0.599 J	<1
Chlorobenzene	2021-03	ug/L	<1	<1			<1	<1	2.17	5.23	<1	<1	<1			<1	<1	<1
Chlorobenzene	2021-05	ug/L																
Chlorobenzene	2021-08	ug/L																
Chlorobenzene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	10.8	<1	<1	<1			4.06	1.09	<1
Chlorobenzene	2021-12	ug/L																
Chlorobenzene	2022-02	ug/L	<1		<1	<1												
Chlorobenzene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	1.84	5.15	0.581 J	<1	<1			<1	<1	<1
Chlorobenzene	2022-07	ug/L			<1	<1												
Chlorobenzene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	2.18	6.86	0.746 J	<1	<1			3.57	0.42 J	<1
Chlorobenzene	2023-04	ug/L	<1	<1		<1	<1	<1	1.78	4.9	0.604 J	<1	<1			<1	<1	<1
Chlorobenzene	2023-05	ug/L			<1	<1												
Chlorobenzene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	2.19	7.42	0.636 J	<1	<1			2.14	0.524 J	<1
Chlorobenzene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	0.994 J	3.59	0.577 J	<1	<1			<1	<1	<1
Chlorobenzene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	1.57	6.09	0.666 J	<1	<1			1.75	1.01	<1
Chlorobenzilate	2009-03	ug/L							<10	<10	<10							
Chlorobenzilate	2009-06	ug/L							<10.0	<10	<10	<10.0	<10		<10.0			
Chlorobenzilate	2009-09	ug/L							<10.0	<10.0	<10.0	<10.0	<10.0		<10.0			
Chlorobenzilate	2009-12	ug/L							<10.0	<10.0	<10.0	<10.0	<10.0		<10.0			
Chlorobenzilate	2010-03	ug/L							<10.0						<10.0			
Chlorobenzilate	2010-06	ug/L										<10.0						
Chlorobenzilate	2010-08	ug/L										<10.0	<10.0					
Chlorobenzilate	2010-09	ug/L							<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Chlorobenzilate	2010-12	ug/L										<10.0						
Chlorobenzilate	2011-03	ug/L										<10.0			<10.0			
Chlorobenzilate	2011-06	ug/L										<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Chlorobenzilate	2011-09	ug/L							<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chlorobenzene	2011-06	ug/L																
Chlorobenzene	2011-07	ug/L																
Chlorobenzene	2011-08	ug/L																
Chlorobenzene	2011-09	ug/L	<1.00	<1.00														
Chlorobenzene	2011-12	ug/L																
Chlorobenzene	2012-03	ug/L	<1.00	<1.00														
Chlorobenzene	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
Chlorobenzene	2012-10	ug/L																
Chlorobenzene	2013-03	ug/L	<1.00								<1.00							
Chlorobenzene	2013-06	ug/L			<1.00													
Chlorobenzene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Chlorobenzene	2013-11	ug/L			<1.00													
Chlorobenzene	2014-03	ug/L	<1.00		<1.00						<1.00							
Chlorobenzene	2014-06	ug/L		<1.00	<1.00													
Chlorobenzene	2014-09	ug/L	<1	<1	<1						<1							
Chlorobenzene	2014-12	ug/L																
Chlorobenzene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Chlorobenzene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2017-12	ug/L			<1													
Chlorobenzene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Chlorobenzene	2018-07	ug/L								<1								
Chlorobenzene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Chlorobenzene	2019-01	ug/L								<1								
Chlorobenzene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Chlorobenzene	2019-05	ug/L		<1						<1								
Chlorobenzene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Chlorobenzene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Chlorobenzene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Chlorobenzene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Chlorobenzene	2021-05	ug/L	<1															
Chlorobenzene	2021-08	ug/L						<1	<1									
Chlorobenzene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2021-12	ug/L	<1															
Chlorobenzene	2022-02	ug/L						<1	<1									
Chlorobenzene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2022-07	ug/L																
Chlorobenzene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2023-05	ug/L																
Chlorobenzene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Chlorobenzene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	2009-03	ug/L																
Chlorobenzilate	2009-06	ug/L																
Chlorobenzilate	2009-09	ug/L																
Chlorobenzilate	2009-12	ug/L																
Chlorobenzilate	2010-03	ug/L																
Chlorobenzilate	2010-06	ug/L																
Chlorobenzilate	2010-08	ug/L																
Chlorobenzilate	2010-09	ug/L																
Chlorobenzilate	2010-12	ug/L																
Chlorobenzilate	2011-03	ug/L																
Chlorobenzilate	2011-06	ug/L																
Chlorobenzilate	2011-09	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Chlorobenzilate	2011-12	ug/L													<10.0	<10.0	<10.0	
Chlorobenzilate	2012-03	ug/L														<10.0	<10.0	
Chlorobenzilate	2014-12	ug/L															<10.2	
Chlorobenzilate	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
Chlorobenzilate	2017-10	ug/L						<10.5										
Chlorobenzilate	2017-12	ug/L					<10.6					<10.4						<10.4
Chlorobenzilate	2018-07	ug/L											<10.4					
Chlorobenzilate	2018-10	ug/L											<10.4					
Chlorobenzilate	2019-05	ug/L																
Chlorobenzilate	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Chlorobenzilate	2021-12	ug/L																
Chlorobenzilate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Chlorobenzilate	2024-04	ug/L											<10.6					
Chlorodibromomethane	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5	<5			
Chlorodibromomethane	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		
Chlorodibromomethane	2008-08	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chlorodibromomethane	2008-09	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chlorodibromomethane	2008-10	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chlorodibromomethane	2009-03	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chlorodibromomethane	2009-06	ug/L					<25.0	<5	<5	<5.00	<5				<5.00			
Chlorodibromomethane	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Chlorodibromomethane	2009-12	ug/L					<20.0	<20.0	<20.0	<5.00	<5.00				<5.00			
Chlorodibromomethane	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Chlorodibromomethane	2010-06	ug/L										<5.00				<5.00	<5.00	<5.00
Chlorodibromomethane	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
Chlorodibromomethane	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chlorodibromomethane	2010-12	ug/L										<5.00				<5.00	<5.00	<5.00
Chlorodibromomethane	2011-03	ug/L		<5.00			<10.0	<5.00	<5.00	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00						<5.00	
Chlorodibromomethane	2011-06	ug/L		<5.00									<5.00			<5.00	<5.00	<5.00
Chlorodibromomethane	2011-07	ug/L	<5.00															
Chlorodibromomethane	2011-08	ug/L		<5.00														
Chlorodibromomethane	2011-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2011-12	ug/L	<5.00	<5.00											<5.00	<5.00	<5.00	
Chlorodibromomethane	2012-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2012-06	ug/L																
Chlorodibromomethane	2012-10	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2013-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2013-06	ug/L																
Chlorodibromomethane	2013-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2013-11	ug/L																
Chlorodibromomethane	2014-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	2014-06	ug/L																
Chlorodibromomethane	2014-09	ug/L	<5	<5			<5.00	<5.00	<5.00	<5.00	<5	<5	<5	<5.00	<5.00	<5.00	<5.00	<5
Chlorodibromomethane	2014-12	ug/L															<5.00	
Chlorodibromomethane	2015-04	ug/L	<5.00	<5			<5	<5.00	<5	<5	<5	<5.00	<5.00			<5.00	<5	<5
Chlorodibromomethane	2015-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2016-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2017-12	ug/L					<5					<5						<5
Chlorodibromomethane	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Chlorodibromomethane	2018-07	ug/L											<5					
Chlorodibromomethane	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2019-01	ug/L																
Chlorodibromomethane	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2019-05	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chlorobenzilate	2011-12	ug/L																
Chlorobenzilate	2012-03	ug/L																
Chlorobenzilate	2014-12	ug/L																
Chlorobenzilate	2016-10	ug/L									<10.4					<10.3	<10.2	
Chlorobenzilate	2017-10	ug/L																
Chlorobenzilate	2017-12	ug/L			<10.4													
Chlorobenzilate	2018-07	ug/L								<10.1								
Chlorobenzilate	2018-10	ug/L								<10.3								
Chlorobenzilate	2019-05	ug/L		<10.1														
Chlorobenzilate	2021-10	ug/L																
Chlorobenzilate	2021-12	ug/L	<10.5															
Chlorobenzilate	2022-10	ug/L			<8.77													
Chlorobenzilate	2024-04	ug/L		<10.2														
Chlorodibromomethane	2008-01	ug/L																
Chlorodibromomethane	2008-03	ug/L																
Chlorodibromomethane	2008-08	ug/L																
Chlorodibromomethane	2008-09	ug/L																
Chlorodibromomethane	2008-10	ug/L																
Chlorodibromomethane	2009-03	ug/L																
Chlorodibromomethane	2009-06	ug/L																
Chlorodibromomethane	2009-09	ug/L																
Chlorodibromomethane	2009-12	ug/L																
Chlorodibromomethane	2010-03	ug/L																
Chlorodibromomethane	2010-06	ug/L	<5.00	<5.00														
Chlorodibromomethane	2010-08	ug/L	<10.0	<10.0														
Chlorodibromomethane	2010-09	ug/L	<10.0	<10.0														
Chlorodibromomethane	2010-12	ug/L	<5.00	<5.00														
Chlorodibromomethane	2011-03	ug/L	<5.00	<5.00														
Chlorodibromomethane	2011-04	ug/L																
Chlorodibromomethane	2011-06	ug/L																
Chlorodibromomethane	2011-07	ug/L																
Chlorodibromomethane	2011-08	ug/L																
Chlorodibromomethane	2011-09	ug/L	<5.00	<5.00														
Chlorodibromomethane	2011-12	ug/L																
Chlorodibromomethane	2012-03	ug/L	<5.00	<5.00														
Chlorodibromomethane	2012-06	ug/L								<5.00	<5.00			<5.00		<5.00	<5.00	
Chlorodibromomethane	2012-10	ug/L																
Chlorodibromomethane	2013-03	ug/L	<5.00								<5.00							
Chlorodibromomethane	2013-06	ug/L			<5.00													
Chlorodibromomethane	2013-09	ug/L	<5.00	<5.00	<5.00						<5.00							
Chlorodibromomethane	2013-11	ug/L			<5.00													
Chlorodibromomethane	2014-03	ug/L	<5.00		<5.00						<5.00							
Chlorodibromomethane	2014-06	ug/L		<5.00	<5.00													
Chlorodibromomethane	2014-09	ug/L	<5	<5	<5						<5							
Chlorodibromomethane	2014-12	ug/L																
Chlorodibromomethane	2015-04	ug/L	<5.00	<5.00	<5.00						<5							
Chlorodibromomethane	2015-10	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2016-04	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2017-12	ug/L			<5													
Chlorodibromomethane	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
Chlorodibromomethane	2018-07	ug/L								<5								
Chlorodibromomethane	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Chlorodibromomethane	2019-01	ug/L								<5								
Chlorodibromomethane	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Chlorodibromomethane	2019-05	ug/L		<5						<5								

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Chlorodibromomethane	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2021-05	ug/L																
Chlorodibromomethane	2021-08	ug/L																
Chlorodibromomethane	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2021-12	ug/L																
Chlorodibromomethane	2022-02	ug/L	<5		<5	<5												
Chlorodibromomethane	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2022-07	ug/L			<5	<5												
Chlorodibromomethane	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2023-04	ug/L	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2023-05	ug/L			<5													
Chlorodibromomethane	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
Chloroethane	2008-01	ug/L					<4	<4	<4.00	<4	<4	<4	<4	<4	<4			
Chloroethane	2008-03	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Chloroethane	2008-08	ug/L					<b>3.42</b>	<4	<b>2.19</b>	<b>2.4</b>	<b>0.55</b>	<4	<4	<b>0.88</b>	<4			
Chloroethane	2008-09	ug/L					<b>2.23</b>	<4	<b>1.42</b>	<b>2.07</b>	<4	<4	<4	<4	<4			
Chloroethane	2008-10	ug/L					<b>3.23</b>	<b>0.61</b>	<b>2.43</b>	<b>2.26</b>	<b>0.85</b>	<4	<4	<b>0.69</b>	<4			
Chloroethane	2009-03	ug/L					<b>2.98</b>	<4	<b>1.64</b>	<b>2.94</b>	<4	<4	<4	<4	<4			
Chloroethane	2009-06	ug/L					<20.0	<4	<4	<4.00	<4			<4.00				
Chloroethane	2009-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Chloroethane	2009-12	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Chloroethane	2010-03	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Chloroethane	2010-06	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Chloroethane	2010-08	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Chloroethane	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2010-12	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Chloroethane	2011-03	ug/L		<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2011-04	ug/L					<4.00		<4.00	<40.0	<4.00					<4.00	<4.00	
Chloroethane	2011-06	ug/L		<4.00									<4.00		<4.00	<4.00	<4.00	
Chloroethane	2011-07	ug/L	<4.00															
Chloroethane	2011-08	ug/L		<4.00														
Chloroethane	2011-09	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2011-12	ug/L	<4.00	<4.00											<4.00	<4.00	<4.00	
Chloroethane	2012-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2012-06	ug/L																
Chloroethane	2012-10	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2013-03	ug/L	<4.00	<4.00			<b>0.801</b>	<4.00	<b>1.71</b>	<40.0	<4.00	<4.00		<b>0.563</b>	<b>0.984</b>	<4.00	<4.00	<4.00
Chloroethane	2013-06	ug/L																
Chloroethane	2013-09	ug/L	<4.00	<4.00			<4.00	<4.00	<b>2.01</b>	<b>1.42</b>	<4.00	<4.00		<4.00	<4.00	<b>2.13</b>	<4.00	<4.00
Chloroethane	2013-11	ug/L																
Chloroethane	2014-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	2014-06	ug/L																
Chloroethane	2014-09	ug/L	<4	<4			<4.00	<4.00	<b>1.34</b>	<b>1.13</b>	<4	<4	<4	<b>0.854</b>	<b>0.767</b>	<4.00	<4.00	<4
Chloroethane	2014-12	ug/L															<4.00	
Chloroethane	2015-04	ug/L	<4.00	<4			<4	<4.00	<4	<b>1.52</b>	<4	<4.00	<4.00			<4.00	<4	<4
Chloroethane	2015-10	ug/L	<4	<4			<4	<4	<b>3.39 J</b>	<b>1.21 J</b>	<4	<4				<4	<4	<4
Chloroethane	2016-04	ug/L	<4	<4			<4	<4	<b>1.9 J</b>	<b>0.8795 J</b>	<4	<4	<4			<4	<4	<4
Chloroethane	2016-10	ug/L	<4	<4			<4	<4	<b>1.62 J</b>	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2017-03	ug/L	<4	<4			<4	<4	<b>1.21 J</b>	<b>2.28 J</b>	<4	<4	<4			<4	<4	<4
Chloroethane	2017-10	ug/L	<4	<4			<4	<4	<b>1.46 J</b>	<b>1.08 J</b>	<4	<4	<4			<4	<4	<4
Chloroethane	2017-12	ug/L					<4					<4						<4
Chloroethane	2018-04	ug/L	<4	<4	<4		<4	<4	<b>1.14 J</b>	<b>1.4 J</b>	<4	<4	<4			<4	<4	<4
Chloroethane	2018-07	ug/L											<4					

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chlorodibromomethane	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
Chlorodibromomethane	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
Chlorodibromomethane	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
Chlorodibromomethane	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
Chlorodibromomethane	2021-05	ug/L	<5															
Chlorodibromomethane	2021-08	ug/L						<5	<5									
Chlorodibromomethane	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2021-12	ug/L	<5															
Chlorodibromomethane	2022-02	ug/L						<5	<5									
Chlorodibromomethane	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2022-07	ug/L																
Chlorodibromomethane	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2023-05	ug/L																
Chlorodibromomethane	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
Chlorodibromomethane	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	2008-01	ug/L																
Chloroethane	2008-03	ug/L																
Chloroethane	2008-08	ug/L																
Chloroethane	2008-09	ug/L																
Chloroethane	2008-10	ug/L																
Chloroethane	2009-03	ug/L																
Chloroethane	2009-06	ug/L																
Chloroethane	2009-09	ug/L																
Chloroethane	2009-12	ug/L																
Chloroethane	2010-03	ug/L																
Chloroethane	2010-06	ug/L	<4.00	<4.00														
Chloroethane	2010-08	ug/L	<4.00	<4.00														
Chloroethane	2010-09	ug/L	<4.00	<4.00														
Chloroethane	2010-12	ug/L	<4.00	<4.00														
Chloroethane	2011-03	ug/L	<4.00	<4.00														
Chloroethane	2011-04	ug/L																
Chloroethane	2011-06	ug/L																
Chloroethane	2011-07	ug/L																
Chloroethane	2011-08	ug/L																
Chloroethane	2011-09	ug/L	<4.00	<4.00														
Chloroethane	2011-12	ug/L																
Chloroethane	2012-03	ug/L	<4.00	<4.00														
Chloroethane	2012-06	ug/L								<4.00	<4.00			<4.00		<4.00	<4.00	
Chloroethane	2012-10	ug/L																
Chloroethane	2013-03	ug/L	<4.00								<4.00							
Chloroethane	2013-06	ug/L			<4.00													
Chloroethane	2013-09	ug/L	<4.00	<4.00	<4.00						<4.00							
Chloroethane	2013-11	ug/L			<4.00													
Chloroethane	2014-03	ug/L	<4.00		<4.00						<4.00							
Chloroethane	2014-06	ug/L		<4.00	<4.00													
Chloroethane	2014-09	ug/L	<4	<4	<4						<4							
Chloroethane	2014-12	ug/L																
Chloroethane	2015-04	ug/L	< 4.00	< 4.00	< 4.00						< 4							
Chloroethane	2015-10	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2016-04	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2016-10	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2017-03	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2017-10	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2017-12	ug/L			<4													
Chloroethane	2018-04	ug/L	<4	<4	<4						<4					<4	<4	
Chloroethane	2018-07	ug/L								<4								

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Chloroethane	2018-10	ug/L	<4	<4			<4	<4	0.857 J	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2019-01	ug/L																
Chloroethane	2019-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2019-05	ug/L																
Chloroethane	2019-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2020-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2020-09	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2021-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2021-05	ug/L																
Chloroethane	2021-08	ug/L																
Chloroethane	2021-10	ug/L	<4	<4	<4		<4	<4	<4	0.806 J	<4	<4	<4			<4	<4	<4
Chloroethane	2021-12	ug/L																
Chloroethane	2022-02	ug/L	<4		<4	<4												
Chloroethane	2022-04	ug/L	<4	<4	<4	<4	<4	<4	<4	1.24 J	<4	<4	<4			<4	<4	<4
Chloroethane	2022-07	ug/L			<4	<4												
Chloroethane	2022-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2023-04	ug/L	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2023-05	ug/L			<4													
Chloroethane	2023-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2024-04	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	2024-09	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Chloroform	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Chloroform	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Chloroform	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Chloroform	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Chloroform	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Chloroform	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Chloroform	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Chloroform	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Chloroform	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Chloroform	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Chloroform	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Chloroform	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Chloroform	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Chloroform	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00					<1.00	<1.00	<1.00
Chloroform	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Chloroform	2011-07	ug/L	<1.00															
Chloroform	2011-08	ug/L		<1.00														
Chloroform	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
Chloroform	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2012-06	ug/L																
Chloroform	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2013-06	ug/L																
Chloroform	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2013-11	ug/L																
Chloroform	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	2014-06	ug/L																
Chloroform	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Chloroform	2014-12	ug/L															<1.00	
Chloroform	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
Chloroform	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Chloroform	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Chloroform	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Chloroform	2017-03	ug/L	<1	<1			<1	<1	0.28 J	<1	<1	<1	<1			<1	<1	<1

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chloroethane	2018-10	ug/L	<4	<4	<4					<4	<4					<4	<4	
Chloroethane	2019-01	ug/L								<4								
Chloroethane	2019-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Chloroethane	2019-05	ug/L		<4						<4								
Chloroethane	2019-10	ug/L	<4	<4	<4					<4	<4					<4	<4	
Chloroethane	2020-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Chloroethane	2020-09	ug/L	<4	<4	<4					<4	<4					<4	<4	
Chloroethane	2021-03	ug/L	<4	<4	<4			<4	<4	<4	<4					<4	<4	
Chloroethane	2021-05	ug/L	<4															
Chloroethane	2021-08	ug/L						<4	<4									
Chloroethane	2021-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2021-12	ug/L	<4															
Chloroethane	2022-02	ug/L						<4	<4									
Chloroethane	2022-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2022-07	ug/L																
Chloroethane	2022-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2023-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2023-05	ug/L																
Chloroethane	2023-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2024-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Chloroethane	2024-09	ug/L	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroform	2008-01	ug/L																
Chloroform	2008-03	ug/L																
Chloroform	2008-08	ug/L																
Chloroform	2008-09	ug/L																
Chloroform	2008-10	ug/L																
Chloroform	2009-03	ug/L																
Chloroform	2009-06	ug/L																
Chloroform	2009-09	ug/L																
Chloroform	2009-12	ug/L																
Chloroform	2010-03	ug/L																
Chloroform	2010-06	ug/L	<1.00	<1.00														
Chloroform	2010-08	ug/L	<1.00	<1.00														
Chloroform	2010-09	ug/L	<1.00	<1.00														
Chloroform	2010-12	ug/L	<1.00	<1.00														
Chloroform	2011-03	ug/L	<1.00	<1.00														
Chloroform	2011-04	ug/L																
Chloroform	2011-06	ug/L																
Chloroform	2011-07	ug/L																
Chloroform	2011-08	ug/L																
Chloroform	2011-09	ug/L	<1.00	<1.00														
Chloroform	2011-12	ug/L																
Chloroform	2012-03	ug/L	<1.00	<1.00														
Chloroform	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
Chloroform	2012-10	ug/L																
Chloroform	2013-03	ug/L	<1.00								<1.00							
Chloroform	2013-06	ug/L			<1.00													
Chloroform	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Chloroform	2013-11	ug/L			<1.00													
Chloroform	2014-03	ug/L	<1.00		<1.00						<1.00							
Chloroform	2014-06	ug/L		<1.00	<1.00													
Chloroform	2014-09	ug/L	<1	<1	<1						<1							
Chloroform	2014-12	ug/L																
Chloroform	2015-04	ug/L	<1.00	1.24	<1.00						<1							
Chloroform	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Chloroform	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Chloroform	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Chloroform	2017-03	ug/L	<1	<1	<1						0.293 J					<1	<1	



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Chloroform	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Chloroform	2017-12	ug/L					<1					<1						<1
Chloroform	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
Chloroform	2018-07	ug/L											<3					
Chloroform	2018-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2019-01	ug/L																
Chloroform	2019-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2019-05	ug/L																
Chloroform	2019-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2020-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2020-09	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2021-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2021-05	ug/L																
Chloroform	2021-08	ug/L																
Chloroform	2021-10	ug/L	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2021-12	ug/L																
Chloroform	2022-02	ug/L	<3		<3	<3												
Chloroform	2022-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2022-07	ug/L			<3	<3												
Chloroform	2022-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloroform	2023-04	ug/L	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2023-05	ug/L			<3													
Chloroform	2023-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloroform	2024-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroform	2024-09	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2008-01	ug/L					<3	<3	<3.00	<3	<3	<3	<3	<3	<3			
Chloromethane	2008-03	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Chloromethane	2008-08	ug/L					<3	<3	<3	<3	<3	<3	0.24	<3	<3			
Chloromethane	2008-09	ug/L					<3	<3	<3	<3	<3	<3	<3	<3	<3			
Chloromethane	2008-10	ug/L					<3	<3	0.22	<3	<3	<3	<3	<3	<3			
Chloromethane	2009-03	ug/L					<3	<3	<3	<3	<3	0.25	<3	<3	<3			
Chloromethane	2009-06	ug/L					<15.0	<3	<3	<3.00	<3			<3.00				
Chloromethane	2009-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Chloromethane	2009-12	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00			<3.00				
Chloromethane	2010-03	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Chloromethane	2010-06	ug/L										<3.00				<3.00	<3.00	<3.00
Chloromethane	2010-08	ug/L										<3.00	<3.00			<3.00	<3.00	<3.00
Chloromethane	2010-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2010-12	ug/L										<3.00				<3.00	<3.00	<3.00
Chloromethane	2011-03	ug/L		<3.00			<75.0	<3.00	<3.00	<75.0	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2011-04	ug/L					<3.00		<3.00	<30.0	<3.00						<3.00	
Chloromethane	2011-06	ug/L		<3.00									<3.00		<3.00	<3.00	<3.00	
Chloromethane	2011-07	ug/L	<3.00															
Chloromethane	2011-08	ug/L		<3.00														
Chloromethane	2011-09	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<30.0	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2011-12	ug/L	<3.00	<3.00												<3.00	<3.00	<3.00
Chloromethane	2012-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2012-06	ug/L																
Chloromethane	2012-10	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2013-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<30.0	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2013-06	ug/L																
Chloromethane	2013-09	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2013-11	ug/L																
Chloromethane	2014-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	2014-06	ug/L																
Chloromethane	2014-09	ug/L	<3	<3			<3.00	<3.00	<3.00	<3.00	<3	<3	<3	<3.00	<3.00	<3.00	<3.00	<3
Chloromethane	2014-12	ug/L															<3.00	
Chloromethane	2015-04	ug/L	<3.00	<3			<3	<3.00	<3	<3	<3	<3.00	<3.00			<3.00	<3	<3

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chloroform	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Chloroform	2017-12	ug/L			<1													
Chloroform	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Chloroform	2018-07	ug/L								<3								
Chloroform	2018-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloroform	2019-01	ug/L								<3								
Chloroform	2019-03	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloroform	2019-05	ug/L		<3						<3								
Chloroform	2019-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloroform	2020-03	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloroform	2020-09	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloroform	2021-03	ug/L	<3	<3	<3			<3	<3	<3	<3					<3	<3	
Chloroform	2021-05	ug/L	<3															
Chloroform	2021-08	ug/L						<3	<3									
Chloroform	2021-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2021-12	ug/L	<3															
Chloroform	2022-02	ug/L						<3	<3									
Chloroform	2022-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2022-07	ug/L																
Chloroform	2022-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2023-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2023-05	ug/L																
Chloroform	2023-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2024-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloroform	2024-09	ug/L	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	2008-01	ug/L																
Chloromethane	2008-03	ug/L																
Chloromethane	2008-08	ug/L																
Chloromethane	2008-09	ug/L																
Chloromethane	2008-10	ug/L																
Chloromethane	2009-03	ug/L																
Chloromethane	2009-06	ug/L																
Chloromethane	2009-09	ug/L																
Chloromethane	2009-12	ug/L																
Chloromethane	2010-03	ug/L																
Chloromethane	2010-06	ug/L	<3.00	<3.00														
Chloromethane	2010-08	ug/L	<3.00	<3.00														
Chloromethane	2010-09	ug/L	<3.00	<3.00														
Chloromethane	2010-12	ug/L	<3.00	<3.00														
Chloromethane	2011-03	ug/L	<3.00	<3.00														
Chloromethane	2011-04	ug/L																
Chloromethane	2011-06	ug/L																
Chloromethane	2011-07	ug/L																
Chloromethane	2011-08	ug/L																
Chloromethane	2011-09	ug/L	<3.00	<3.00														
Chloromethane	2011-12	ug/L																
Chloromethane	2012-03	ug/L	<3.00	<3.00														
Chloromethane	2012-06	ug/L								<3.00	<3.00			<3.00		<3.00	<3.00	
Chloromethane	2012-10	ug/L																
Chloromethane	2013-03	ug/L	<3.00							<3.00								
Chloromethane	2013-06	ug/L			<3.00													
Chloromethane	2013-09	ug/L	<3.00	<3.00	<3.00					<3.00								
Chloromethane	2013-11	ug/L			<3.00													
Chloromethane	2014-03	ug/L	<3.00		<3.00					<3.00								
Chloromethane	2014-06	ug/L		<3.00	<3.00													
Chloromethane	2014-09	ug/L	<3	<3	<3					<3								
Chloromethane	2014-12	ug/L																
Chloromethane	2015-04	ug/L	<3.00	<b>0.546</b>	<b>0.388</b>						<3							

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Chloromethane	2015-10	ug/L	0.341 J	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloromethane	2016-04	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2016-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2017-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2017-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloromethane	2017-12	ug/L					<3					<3						<3
Chloromethane	2018-04	ug/L	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2018-07	ug/L											<3					
Chloromethane	2018-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2019-01	ug/L																
Chloromethane	2019-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2019-05	ug/L																
Chloromethane	2019-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2020-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2020-09	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2021-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2021-05	ug/L																
Chloromethane	2021-08	ug/L																
Chloromethane	2021-10	ug/L	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2021-12	ug/L																
Chloromethane	2022-02	ug/L	<3		<3	<3												
Chloromethane	2022-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2022-07	ug/L			<3	<3												
Chloromethane	2022-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloromethane	2023-04	ug/L	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2023-05	ug/L			<3													
Chloromethane	2023-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3				<3	<3	<3
Chloromethane	2024-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	2024-09	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Chloroprene	2009-03	ug/L						<1	<1	<1								
Chloroprene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Chloroprene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00				
Chloroprene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00				
Chloroprene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
Chloroprene	2010-06	ug/L										<1.00						
Chloroprene	2010-08	ug/L										<1.00	<1.00					
Chloroprene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
Chloroprene	2010-12	ug/L										<1.00						
Chloroprene	2011-03	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00			
Chloroprene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
Chloroprene	2011-06	ug/L										<1.00		<1.00	<1.00	<1.00	<1.00	
Chloroprene	2011-09	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	
Chloroprene	2011-12	ug/L												<1.00	<1.00	<1.00	<1.00	
Chloroprene	2012-03	ug/L												<1.00		<1.00	<1.00	
Chloroprene	2014-12	ug/L															<1.00	
Chloroprene	2016-10	ug/L							<1	<1	<1					<1	<1	
Chloroprene	2017-10	ug/L						<1										
Chloroprene	2017-12	ug/L					<1					<1						<1
Chloroprene	2018-07	ug/L											<1					
Chloroprene	2018-10	ug/L											<1					
Chloroprene	2019-05	ug/L																
Chloroprene	2021-10	ug/L							<1	<1	<1					<1	<1	
Chloroprene	2021-12	ug/L																
Chloroprene	2022-10	ug/L					<1	<1				<1	<1					<1
Chloroprene	2024-04	ug/L										<1						
Chromium	2008-01	mg/L					<0.02	<0.02	<0.0200	<0.02	<0.02	<0.02	<0.02	0.0413	<0.02			
Chromium	2008-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Chromium	2008-08	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0361	<0.02			

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Chloromethane	2015-10	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2016-04	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2016-10	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2017-03	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2017-10	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2017-12	ug/L			<3													
Chloromethane	2018-04	ug/L	<3	<3	<3						<3					<3	<3	
Chloromethane	2018-07	ug/L								<3								
Chloromethane	2018-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloromethane	2019-01	ug/L								<3								
Chloromethane	2019-03	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloromethane	2019-05	ug/L		<3						<3								
Chloromethane	2019-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloromethane	2020-03	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloromethane	2020-09	ug/L	<3	<3	<3					<3	<3					<3	<3	
Chloromethane	2021-03	ug/L	<3	<3	<3			<3	<3	<3	<3					<3	<3	
Chloromethane	2021-05	ug/L	<3															
Chloromethane	2021-08	ug/L						<3	<3									
Chloromethane	2021-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloromethane	2021-12	ug/L	<3															
Chloromethane	2022-02	ug/L						<3	<3									
Chloromethane	2022-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloromethane	2022-07	ug/L																
Chloromethane	2022-10	ug/L	<3	<3	<3			0.738 J	0.65 J	<3	<3							
Chloromethane	2023-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloromethane	2023-05	ug/L																
Chloromethane	2023-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloromethane	2024-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Chloromethane	2024-09	ug/L	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroprene	2009-03	ug/L																
Chloroprene	2009-06	ug/L																
Chloroprene	2009-09	ug/L																
Chloroprene	2009-12	ug/L																
Chloroprene	2010-03	ug/L																
Chloroprene	2010-06	ug/L																
Chloroprene	2010-08	ug/L																
Chloroprene	2010-09	ug/L																
Chloroprene	2010-12	ug/L																
Chloroprene	2011-03	ug/L																
Chloroprene	2011-04	ug/L																
Chloroprene	2011-06	ug/L																
Chloroprene	2011-09	ug/L																
Chloroprene	2011-12	ug/L																
Chloroprene	2012-03	ug/L																
Chloroprene	2014-12	ug/L																
Chloroprene	2016-10	ug/L									<1					<1	<1	
Chloroprene	2017-10	ug/L																
Chloroprene	2017-12	ug/L			<1													
Chloroprene	2018-07	ug/L								<1								
Chloroprene	2018-10	ug/L								<1								
Chloroprene	2019-05	ug/L		<1														
Chloroprene	2021-10	ug/L																
Chloroprene	2021-12	ug/L	<1															
Chloroprene	2022-10	ug/L			<1													
Chloroprene	2024-04	ug/L		<1														
Chromium	2008-01	mg/L																
Chromium	2008-03	mg/L																
Chromium	2008-08	mg/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Chromium	2008-09	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.026	<0.02			
Chromium	2008-10	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Chromium	2009-03	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Chromium	2009-06	mg/L					<0.0200	<0.02	<0.02	<0.0200	<0.02			<0.0200				
Chromium	2009-09	mg/L					<0.0200	<0.0200	0.0210	0.0238	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Chromium	2009-12	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200				
Chromium	2010-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Chromium	2010-06	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Chromium	2010-08	mg/L										<0.0200	<0.0200			<0.0200	<0.0200	<0.0200
Chromium	2010-09	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2010-12	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Chromium	2011-03	mg/L		<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2011-06	mg/L		<0.0200									<0.0200		<0.0200	<0.0200	<0.0200	
Chromium	2011-07	mg/L	<0.0200															
Chromium	2011-08	mg/L		<0.0200														
Chromium	2011-09	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2011-12	mg/L	<0.0200	<0.0200											<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2012-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2012-04	mg/L																
Chromium	2012-06	mg/L																
Chromium	2012-10	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2013-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	2013-06	mg/L																
Chromium	2013-09	mg/L	0.00341	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	0.00298		<0.0200	0.00481	0.00174	0.00311	0.00580
Chromium	2013-11	mg/L																
Chromium	2014-03	mg/L	<0.0200	<0.0200			<0.0200	0.00438	<0.0200	0.00610	0.00434	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	0.00755
Chromium	2014-06	mg/L																
Chromium	2014-09	mg/L	<0.005	<0.005			<0.00500	<0.00500	<0.00500	0.00251	<0.005	<0.005	<0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.005
Chromium	2014-12	mg/L																<0.00500
Chromium	2015-04	mg/L	<0.00500	<0.005			<0.0050	<0.0050	<0.0050	0.00221	<0.005	<0.0050	<0.0050			<0.00500	<0.0050	<0.0050
Chromium	2015-10	mg/L	<0.02	<0.02			<0.02	<0.02	<0.02	0.00273 J	<0.02	<0.02				<0.02	<0.02	<0.02
Chromium	2016-04	mg/L	0.000603 J	<0.005			<0.005	<0.005	0.000473 J	0.00192 J	0.00055 J	0.000498 J	0.000475 J			<0.005	<0.005	<0.005
Chromium	2016-10	mg/L	<0.005	<0.005			0.000717 J	<0.005	<0.0050	0.00175 J	0.000638 J	<0.005	<0.005			<0.005	0.000453 J	<0.005
Chromium	2017-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00144 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2017-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00158 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2017-12	mg/L					<0.005					<0.005						0.000774 J
Chromium	2018-04	mg/L	0.000787 J	0.00131 J	<0.005		<0.005	<0.005	0.00316 J	0.00133 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2018-07	mg/L																
Chromium	2018-10	mg/L	0.00109 J	<0.005			<0.005	<0.005	<0.005	0.02690	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2019-01	mg/L																
Chromium	2019-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00246	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2019-05	mg/L																
Chromium	2019-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00117 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2020-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00116 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2020-09	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00152 J	<0.005	<0.005	<0.005			0.00112 J	<0.005	<0.005
Chromium	2020-11	mg/L	0.00148 J															
Chromium	2020-12	mg/L	<0.005															
Chromium	2021-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	0.00161 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2021-05	mg/L																
Chromium	2021-08	mg/L																
Chromium	2021-10	mg/L	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	0.00223 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2021-12	mg/L																
Chromium	2022-02	mg/L	<0.005		<0.005	<0.005												
Chromium	2022-04	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00133 J	<0.005	<0.005	0.0014 J			<0.005	<0.005	<0.005
Chromium	2022-07	mg/L			<0.005	0.00117 J												
Chromium	2022-10	mg/L	0.00178 J	0.00267 J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00181 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2023-04	mg/L	0.00126 J	<0.005		<0.005	<0.005	<0.005	<0.005	0.00123 J	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Chromium	2023-05	mg/L			<0.005													

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Chromium	2008-09	mg/L																
Chromium	2008-10	mg/L																
Chromium	2009-03	mg/L																
Chromium	2009-06	mg/L																
Chromium	2009-09	mg/L																
Chromium	2009-12	mg/L																
Chromium	2010-03	mg/L																
Chromium	2010-06	mg/L	<0.0200	<0.0200														
Chromium	2010-08	mg/L	<0.0200	<0.0200														
Chromium	2010-09	mg/L	<0.0200	<0.0200														
Chromium	2010-12	mg/L	<0.0200	<0.0200														
Chromium	2011-03	mg/L	<0.0200	<0.0200														
Chromium	2011-06	mg/L																
Chromium	2011-07	mg/L																
Chromium	2011-08	mg/L																
Chromium	2011-09	mg/L	<0.0200	<0.0200														
Chromium	2011-12	mg/L																
Chromium	2012-03	mg/L	<0.0200	<0.0200														
Chromium	2012-04	mg/L									1.02	<0.0200		<0.0200		<0.0200	<0.0200	
Chromium	2012-06	mg/L									0.874	<0.0200		<0.0200		<0.0200	<0.0200	
Chromium	2012-10	mg/L									<0.0200			<0.0200		<0.0200	0.0396	
Chromium	2013-03	mg/L	<0.0200								0.178					<0.0200	<0.0200	
Chromium	2013-06	mg/L			0.00260													
Chromium	2013-09	mg/L	0.00798	0.00196	0.00546						0.157					0.00818	<0.0200	
Chromium	2013-11	mg/L			0.00497													
Chromium	2014-03	mg/L	<0.0200		0.00365						0.0291					0.00744	<0.0200	
Chromium	2014-06	mg/L		<0.0200	<0.0200													
Chromium	2014-09	mg/L	<0.005	<0.005	0.00228						0.0123					0.00237	0.00315	
Chromium	2014-12	mg/L																
Chromium	2015-04	mg/L	<0.005	<0.005	<0.00500						0.00239					<0.00500	<0.00500	
Chromium	2015-10	mg/L	<0.02	<0.02	<0.02						<0.02					<0.02	<0.02	
Chromium	2016-04	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Chromium	2016-10	mg/L	0.00133 J	0.00174 J	<0.005						<0.005					<0.005	<0.005	
Chromium	2017-03	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Chromium	2017-10	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Chromium	2017-12	mg/L			<0.005													
Chromium	2018-04	mg/L	<0.005	<0.005	<0.005						0.00312 J					<0.005	<0.005	
Chromium	2018-07	mg/L								<0.005								
Chromium	2018-10	mg/L	<0.005	<0.005	<0.005					<0.005	0.00207 J					<0.005	<0.005	
Chromium	2019-01	mg/L								<0.005								
Chromium	2019-03	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Chromium	2019-05	mg/L		<0.005						<0.005								
Chromium	2019-10	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Chromium	2020-03	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Chromium	2020-09	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Chromium	2020-11	mg/L																
Chromium	2020-12	mg/L																
Chromium	2021-03	mg/L	<0.005	<0.005	<0.005			<0.005	0.00194 J	<0.005	<0.005					<0.005	<0.005	
Chromium	2021-05	mg/L	<0.005															
Chromium	2021-08	mg/L						<0.005	<0.005									
Chromium	2021-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.00244 J	<0.005	0.0134							
Chromium	2021-12	mg/L	<0.005															
Chromium	2022-02	mg/L						<0.005	0.00149 J									
Chromium	2022-04	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Chromium	2022-07	mg/L																
Chromium	2022-10	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	0.00613							
Chromium	2023-04	mg/L	<0.005	<0.005	<0.005			<0.005	0.00266 J	<0.005	0.00403 J							
Chromium	2023-05	mg/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Chromium	2023-10	mg/L	0.00195 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00199 J	<0.005	<0.005				<0.005	<0.005	<0.005
Chromium	2024-04	mg/L	0.00187 J	<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
Chromium	2024-05	mg/L																
Chromium	2024-09	mg/L	0.0014 J	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00135 J	< 0.005	< 0.005	0.00158 J			< 0.005	< 0.005	< 0.005
Chrysene	2009-03	ug/L						<10	<10	<10								
Chrysene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Chrysene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Chrysene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Chrysene	2010-03	ug/L					<10.0				<10.0			<10.0				
Chrysene	2010-06	ug/L										<10.0						
Chrysene	2010-08	ug/L										<10.0	<10.0					
Chrysene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Chrysene	2010-12	ug/L										<10.0						
Chrysene	2011-03	ug/L											<10.0		<10.0			
Chrysene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Chrysene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Chrysene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Chrysene	2012-03	ug/L														<10.0	<10.0	
Chrysene	2014-12	ug/L															<10.2	
Chrysene	2016-10	ug/L						<10	<10	<10	<10.9					<11.2	<11.1	
Chrysene	2017-10	ug/L						<10.5										
Chrysene	2017-12	ug/L					<10.6					<10.4						<10.4
Chrysene	2018-07	ug/L											<10.4					
Chrysene	2018-10	ug/L											<10.4					
Chrysene	2019-05	ug/L																
Chrysene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Chrysene	2021-12	ug/L																
Chrysene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Chrysene	2024-04	ug/L										<10.6						
cis-1,2-Dichloroethene	2008-01	ug/L					<1	<1	1.18	<1	<1	<1	<1	<1	<1			
cis-1,2-Dichloroethene	2008-03	ug/L					<1.00	<1.00	1.08	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
cis-1,2-Dichloroethene	2008-08	ug/L					<1	<1	0.84	<1	0.38	<1	<1	<1	<1			
cis-1,2-Dichloroethene	2008-09	ug/L					<1	<1	0.93	<1	0.45	<1	<1	<1	<1			
cis-1,2-Dichloroethene	2008-10	ug/L					<1	<1	1.09	<1	0.46	<1	<1	<1	<1			
cis-1,2-Dichloroethene	2009-03	ug/L					<1	<1	0.84	<1	0.59	<1	<1	<1	<1			
cis-1,2-Dichloroethene	2009-06	ug/L					<5.00	<1	1.13	<1.00	<1			<1.00				
cis-1,2-Dichloroethene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
cis-1,2-Dichloroethene	2009-12	ug/L					<1.00	<1.00	1.11	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
cis-1,2-Dichloroethene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
cis-1,2-Dichloroethene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2011-04	ug/L					<1.00		1.98	<10.0	<1.00					<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2011-06	ug/L		<1.00								<1.00		<1.00	<1.00	<1.00	<1.00	
cis-1,2-Dichloroethene	2011-07	ug/L	<1.00															
cis-1,2-Dichloroethene	2011-08	ug/L		<1.00														
cis-1,2-Dichloroethene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2012-06	ug/L																
cis-1,2-Dichloroethene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	1.46	<1.00	<1.00			<1.00	<1.00	1.63	<1.00	<1.00
cis-1,2-Dichloroethene	2013-03	ug/L	0.300	0.855			<1.00	<1.00	1.25	<10.0	0.424	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	2013-06	ug/L																
cis-1,2-Dichloroethene	2013-09	ug/L	0.380	<1.00			<1.00	<1.00	0.734	<1.00	0.454	<1.00		<1.00	<1.00	0.553	<1.00	<1.00
cis-1,2-Dichloroethene	2013-11	ug/L																
cis-1,2-Dichloroethene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	1.04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

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Chromium	2023-10	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Chromium	2024-04	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Chromium	2024-05	mg/L						<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
Chromium	2024-09	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
Chrysene	2009-03	ug/L																
Chrysene	2009-06	ug/L																
Chrysene	2009-09	ug/L																
Chrysene	2009-12	ug/L																
Chrysene	2010-03	ug/L																
Chrysene	2010-06	ug/L																
Chrysene	2010-08	ug/L																
Chrysene	2010-09	ug/L																
Chrysene	2010-12	ug/L																
Chrysene	2011-03	ug/L																
Chrysene	2011-06	ug/L																
Chrysene	2011-09	ug/L																
Chrysene	2011-12	ug/L																
Chrysene	2012-03	ug/L																
Chrysene	2014-12	ug/L																
Chrysene	2016-10	ug/L									<10.4					<10.3	<10.2	
Chrysene	2017-10	ug/L																
Chrysene	2017-12	ug/L			<10.4													
Chrysene	2018-07	ug/L								<10.1								
Chrysene	2018-10	ug/L								<10.3								
Chrysene	2019-05	ug/L		<10.1														
Chrysene	2021-10	ug/L																
Chrysene	2021-12	ug/L	<10.5															
Chrysene	2022-10	ug/L			<8.77													
Chrysene	2024-04	ug/L		<10.2														
cis-1,2-Dichloroethene	2008-01	ug/L																
cis-1,2-Dichloroethene	2008-03	ug/L																
cis-1,2-Dichloroethene	2008-08	ug/L																
cis-1,2-Dichloroethene	2008-09	ug/L																
cis-1,2-Dichloroethene	2008-10	ug/L																
cis-1,2-Dichloroethene	2009-03	ug/L																
cis-1,2-Dichloroethene	2009-06	ug/L																
cis-1,2-Dichloroethene	2009-09	ug/L																
cis-1,2-Dichloroethene	2009-12	ug/L																
cis-1,2-Dichloroethene	2010-03	ug/L																
cis-1,2-Dichloroethene	2010-06	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2010-08	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2010-09	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2010-12	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2011-03	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2011-04	ug/L																
cis-1,2-Dichloroethene	2011-06	ug/L																
cis-1,2-Dichloroethene	2011-07	ug/L																
cis-1,2-Dichloroethene	2011-08	ug/L																
cis-1,2-Dichloroethene	2011-09	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2011-12	ug/L																
cis-1,2-Dichloroethene	2012-03	ug/L	<1.00	<1.00														
cis-1,2-Dichloroethene	2012-06	ug/L								<1.00	<1.00			<1.00		<1.00	<1.00	
cis-1,2-Dichloroethene	2012-10	ug/L																
cis-1,2-Dichloroethene	2013-03	ug/L	<1.00							<1.00								
cis-1,2-Dichloroethene	2013-06	ug/L			<1.00													
cis-1,2-Dichloroethene	2013-09	ug/L	<1.00	<1.00	<1.00					<1.00								
cis-1,2-Dichloroethene	2013-11	ug/L			<1.00													
cis-1,2-Dichloroethene	2014-03	ug/L	<1.00		<1.00					<1.00								



Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
cis-1,2-Dichloroethene	2014-06	ug/L																
cis-1,2-Dichloroethene	2014-09	ug/L	<1	<1			<1.00	<1.00	0.596	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
cis-1,2-Dichloroethene	2014-12	ug/L														<1.00	<1	<1
cis-1,2-Dichloroethene	2015-04	ug/L	0.263	<1			<1	<1.00	0.457	<1	0.304	<1.00	<1.00			<1.00	<1	<1
cis-1,2-Dichloroethene	2015-10	ug/L	<1	<1			<1	<1	0.699 J	<1	0.414 J	<1				<1	<1	<1
cis-1,2-Dichloroethene	2016-04	ug/L	<1	<1			<1	<1	0.663 J	<1	0.367 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2016-10	ug/L	0.181 J	<1			<1	<1	0.483 J	<1	0.373 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2017-03	ug/L	0.195 J	<1			<1	<1	1.16	<1	0.379 J	<1	0.141 J			<1	<1	<1
cis-1,2-Dichloroethene	2017-10	ug/L	<1	<1			<1	<1	2.14	<1	0.363 J	<1				0.34 J	<1	<1
cis-1,2-Dichloroethene	2017-12	ug/L					<1					<1						<1
cis-1,2-Dichloroethene	2018-04	ug/L	<1	<1	<1		<1	<1	0.925 J	<1	0.228 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2018-07	ug/L										<1						
cis-1,2-Dichloroethene	2018-10	ug/L	<1	<1			<1	<1	0.372 J	<1	0.284 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2019-01	ug/L																
cis-1,2-Dichloroethene	2019-03	ug/L	<1	<1			<1	<1	0.727 J	<1	0.308	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2019-05	ug/L																
cis-1,2-Dichloroethene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	
cis-1,2-Dichloroethene	2020-03	ug/L	<1	<1			<1	<1	0.668 J	<1	0.263 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	
cis-1,2-Dichloroethene	2021-03	ug/L	<1	<1			<1	<1	0.437 J	<1	0.252 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2021-05	ug/L																
cis-1,2-Dichloroethene	2021-08	ug/L																
cis-1,2-Dichloroethene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	0.267 J	<1	<1			0.268 J	<1	<1
cis-1,2-Dichloroethene	2021-12	ug/L																
cis-1,2-Dichloroethene	2022-02	ug/L	<1		<1	<1												
cis-1,2-Dichloroethene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	0.737 J	<1	0.282 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2022-07	ug/L			<1	<1												
cis-1,2-Dichloroethene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	0.372 J	<1				0.358 J	<1	<1
cis-1,2-Dichloroethene	2023-04	ug/L	<1	<1		<1	<1	<1	0.961 J	<1	0.297 J	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2023-05	ug/L			<1													
cis-1,2-Dichloroethene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	0.338 J	<1	0.22 J	<1				0.252 J	<1	<1
cis-1,2-Dichloroethene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	0.502 J	<1	<1	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	0.225 J	<1	0.225 J	<1	<1			<1	<1	<1
cis-1,3-Dichloropropene	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5	<5			
cis-1,3-Dichloropropene	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
cis-1,3-Dichloropropene	2008-08	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
cis-1,3-Dichloropropene	2008-09	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
cis-1,3-Dichloropropene	2008-10	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
cis-1,3-Dichloropropene	2009-03	ug/L					<5	<5	<5	<5	<5	<5	<5	<5	<5			
cis-1,3-Dichloropropene	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
cis-1,3-Dichloropropene	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
cis-1,3-Dichloropropene	2009-12	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
cis-1,3-Dichloropropene	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
cis-1,3-Dichloropropene	2010-06	ug/L										<5.00				<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
cis-1,3-Dichloropropene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
cis-1,3-Dichloropropene	2010-12	ug/L										<5.00				<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2011-03	ug/L		<5.00			<10.0	<5.00	<5.00	<10.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2011-04	ug/L					<5.00		<5.00	<5.00	<5.00						<5.00	
cis-1,3-Dichloropropene	2011-06	ug/L		<5.00								<5.00			<5.00	<5.00	<5.00	
cis-1,3-Dichloropropene	2011-07	ug/L	<5.00															
cis-1,3-Dichloropropene	2011-08	ug/L		<5.00														
cis-1,3-Dichloropropene	2011-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2011-12	ug/L	<5.00	<5.00											<5.00	<5.00	<5.00	
cis-1,3-Dichloropropene	2012-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2012-06	ug/L																
cis-1,3-Dichloropropene	2012-10	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2013-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
cis-1,2-Dichloroethene	2014-06	ug/L		<1.00	<1.00													
cis-1,2-Dichloroethene	2014-09	ug/L	<1	<1	<1						<1							
cis-1,2-Dichloroethene	2014-12	ug/L																
cis-1,2-Dichloroethene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
cis-1,2-Dichloroethene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2017-12	ug/L			<1													
cis-1,2-Dichloroethene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
cis-1,2-Dichloroethene	2018-07	ug/L								<1								
cis-1,2-Dichloroethene	2018-10	ug/L	<1	<1	<1						<1	<1				<1	<1	
cis-1,2-Dichloroethene	2019-01	ug/L								<1								
cis-1,2-Dichloroethene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
cis-1,2-Dichloroethene	2019-05	ug/L		<1						<1								
cis-1,2-Dichloroethene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
cis-1,2-Dichloroethene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
cis-1,2-Dichloroethene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
cis-1,2-Dichloroethene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
cis-1,2-Dichloroethene	2021-05	ug/L	<b>0.228 J</b>															
cis-1,2-Dichloroethene	2021-08	ug/L						<1	<1									
cis-1,2-Dichloroethene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2021-12	ug/L	<b>0.359 J</b>															
cis-1,2-Dichloroethene	2022-02	ug/L						<1	<1									
cis-1,2-Dichloroethene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2022-07	ug/L																
cis-1,2-Dichloroethene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2023-05	ug/L																
cis-1,2-Dichloroethene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
cis-1,2-Dichloroethene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	2008-01	ug/L																
cis-1,3-Dichloropropene	2008-03	ug/L																
cis-1,3-Dichloropropene	2008-08	ug/L																
cis-1,3-Dichloropropene	2008-09	ug/L																
cis-1,3-Dichloropropene	2008-10	ug/L																
cis-1,3-Dichloropropene	2009-03	ug/L																
cis-1,3-Dichloropropene	2009-06	ug/L																
cis-1,3-Dichloropropene	2009-09	ug/L																
cis-1,3-Dichloropropene	2009-12	ug/L																
cis-1,3-Dichloropropene	2010-03	ug/L																
cis-1,3-Dichloropropene	2010-06	ug/L	<5.00	<5.00														
cis-1,3-Dichloropropene	2010-08	ug/L	<10.0	<10.0														
cis-1,3-Dichloropropene	2010-09	ug/L	<10.0	<10.0														
cis-1,3-Dichloropropene	2010-12	ug/L	<5.00	<5.00														
cis-1,3-Dichloropropene	2011-03	ug/L	<5.00	<5.00														
cis-1,3-Dichloropropene	2011-04	ug/L																
cis-1,3-Dichloropropene	2011-06	ug/L																
cis-1,3-Dichloropropene	2011-07	ug/L																
cis-1,3-Dichloropropene	2011-08	ug/L																
cis-1,3-Dichloropropene	2011-09	ug/L	<5.00	<5.00														
cis-1,3-Dichloropropene	2011-12	ug/L																
cis-1,3-Dichloropropene	2012-03	ug/L	<5.00	<5.00														
cis-1,3-Dichloropropene	2012-06	ug/L									<5.00	<5.00		<5.00		<5.00	<5.00	
cis-1,3-Dichloropropene	2012-10	ug/L																
cis-1,3-Dichloropropene	2013-03	ug/L	<5.00								<5.00							

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
cis-1,3-Dichloropropene	2013-06	ug/L																
cis-1,3-Dichloropropene	2013-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2013-11	ug/L																
cis-1,3-Dichloropropene	2014-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	2014-06	ug/L																
cis-1,3-Dichloropropene	2014-09	ug/L	<5	<5			<5.00	<5.00	<5.00	<5.00	<5	<5	<5	<5.00	<5.00	<5.00	<5.00	<5
cis-1,3-Dichloropropene	2014-12	ug/L																<5.00
cis-1,3-Dichloropropene	2015-04	ug/L	<5.00	<5			<5	<5.00	<5	<5	<5	<5.00	<5.00		<5.00	<5	<5	<5
cis-1,3-Dichloropropene	2015-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5			<5	<5	<5	<5
cis-1,3-Dichloropropene	2016-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2017-12	ug/L					<5					<5						<5
cis-1,3-Dichloropropene	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2018-07	ug/L											<5					
cis-1,3-Dichloropropene	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2019-01	ug/L																
cis-1,3-Dichloropropene	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2019-05	ug/L																
cis-1,3-Dichloropropene	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2021-05	ug/L																
cis-1,3-Dichloropropene	2021-08	ug/L																
cis-1,3-Dichloropropene	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2021-12	ug/L																
cis-1,3-Dichloropropene	2022-02	ug/L	<5		<5	<5												
cis-1,3-Dichloropropene	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2022-07	ug/L			<5	<5												
cis-1,3-Dichloropropene	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2023-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2023-05	ug/L			<5													
cis-1,3-Dichloropropene	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
cis-1,3-Dichloropropene	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5
Cobalt	2008-01	mg/L					<0.02	<0.02	<b>0.0320</b>	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Cobalt	2008-03	mg/L					<0.0200	<0.0200	<b>0.0357</b>	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Cobalt	2008-08	mg/L					<0.00346	<0.00346	<b>0.0209</b>	<b>0.00830</b>	<0.00346	<b>0.00619</b>	<b>0.00728</b>	<b>0.0117</b>	<0.00346			
Cobalt	2008-09	mg/L					<0.00346	<0.00346	<b>0.0207</b>	<b>0.00889</b>	<0.00346	<b>0.00631</b>	<b>0.0162</b>	<b>0.00861</b>	<0.00346			
Cobalt	2008-10	mg/L					<0.00346	<b>0.00444</b>	<b>0.0235</b>	<b>0.00998</b>	<0.00346	<0.00346	<b>0.0169</b>	<0.00346	<0.00346			
Cobalt	2009-03	mg/L					<0.00346	<0.00346	<0.00346	<b>0.00599</b>	<0.00346	<0.00346	<b>0.0101</b>	<0.00346	<0.00346			
Cobalt	2009-06	mg/L					<b>0.00283</b>	<b>0.00248</b>	<b>0.0206</b>	<b>0.00984</b>	<0.00155			<0.00155				
Cobalt	2009-09	mg/L					<b>0.00169</b>	<b>0.00472</b>	<b>0.0222</b>	<b>0.00822</b>	<b>0.00168</b>	<b>0.00292</b>	<b>0.00344</b>	<0.00155	<0.00155			
Cobalt	2009-12	mg/L					<b>0.00272</b>	<b>0.00272</b>	<b>0.0218</b>	<b>0.00585</b>	<0.00155			<b>0.00390</b>				
Cobalt	2010-03	mg/L					<b>0.00228</b>	<b>0.00269</b>	<b>0.0236</b>	<b>0.00796</b>	<b>0.00250</b>	<b>0.00318</b>	<b>0.00423</b>	<b>0.00349</b>	<0.00155			
Cobalt	2010-06	mg/L										<b>0.00254</b>				<b>0.0195</b>	<b>0.0143</b>	<b>0.00280</b>
Cobalt	2010-08	mg/L										<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200
Cobalt	2010-09	mg/L					<0.0200	<b>0.00280</b>	<b>0.0254</b>	<b>0.0114</b>	<0.0200	<0.0200	<b>0.00566</b>	<b>0.00563</b>	<0.0200			
Cobalt	2010-12	mg/L										<0.0200				<b>0.0218</b>	<b>0.0111</b>	<0.0200
Cobalt	2011-03	mg/L		<b>0.00342</b>			<0.0200	<b>0.00164</b>	<b>0.0144</b>	<b>0.00522</b>	<0.0200	<0.0200	<b>0.00582</b>	<0.0200	<0.0200	<b>0.0109</b>	<b>0.0100</b>	<0.0200
Cobalt	2011-06	mg/L		<b>0.0107</b>									<b>0.00517</b>	<0.0200	<b>0.00948</b>	<b>0.0110</b>		
Cobalt	2011-07	mg/L	<0.0200															
Cobalt	2011-08	mg/L		<0.0200														
Cobalt	2011-09	mg/L	<b>0.00227</b>	<0.0200			<0.0200	<b>0.00762</b>	<b>0.0225</b>	<b>0.00810</b>	<0.0200	<0.0200		<0.0200	<0.0200	<b>0.0134</b>	<b>0.0113</b>	<b>0.00259</b>
Cobalt	2011-12	mg/L	<0.0200	<b>0.00284</b>											<b>0.00220</b>	<b>0.00893</b>	<b>0.00980</b>	
Cobalt	2012-03	mg/L	<0.0200	<0.0200			<b>0.00780</b>	<0.0200	<b>0.00630</b>	<b>0.0215</b>	<b>0.00425</b>	<0.0200	<b>0.00304</b>	<0.0200	<0.0200	<b>0.0133</b>	<b>0.00840</b>	<b>0.00329</b>

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
cis-1,3-Dichloropropene	2013-06	ug/L			<5.00													
cis-1,3-Dichloropropene	2013-09	ug/L	<5.00	<5.00	<5.00						<5.00							
cis-1,3-Dichloropropene	2013-11	ug/L			<5.00													
cis-1,3-Dichloropropene	2014-03	ug/L	<5.00		<5.00						<5.00							
cis-1,3-Dichloropropene	2014-06	ug/L		<5.00	<5.00													
cis-1,3-Dichloropropene	2014-09	ug/L	<5	<5	<5						<5							
cis-1,3-Dichloropropene	2014-12	ug/L																
cis-1,3-Dichloropropene	2015-04	ug/L	< 5.00	< 5.00	< 5.00						< 5							
cis-1,3-Dichloropropene	2015-10	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2016-04	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2017-12	ug/L			<5													
cis-1,3-Dichloropropene	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
cis-1,3-Dichloropropene	2018-07	ug/L								<5								
cis-1,3-Dichloropropene	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
cis-1,3-Dichloropropene	2019-01	ug/L								<5								
cis-1,3-Dichloropropene	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
cis-1,3-Dichloropropene	2019-05	ug/L		<5						<5								
cis-1,3-Dichloropropene	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
cis-1,3-Dichloropropene	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
cis-1,3-Dichloropropene	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
cis-1,3-Dichloropropene	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
cis-1,3-Dichloropropene	2021-05	ug/L	<5															
cis-1,3-Dichloropropene	2021-08	ug/L						<5	<5									
cis-1,3-Dichloropropene	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2021-12	ug/L	<5															
cis-1,3-Dichloropropene	2022-02	ug/L						<5	<5									
cis-1,3-Dichloropropene	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2022-07	ug/L																
cis-1,3-Dichloropropene	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2023-05	ug/L																
cis-1,3-Dichloropropene	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
cis-1,3-Dichloropropene	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Cobalt	2008-01	mg/L																
Cobalt	2008-03	mg/L																
Cobalt	2008-08	mg/L																
Cobalt	2008-09	mg/L																
Cobalt	2008-10	mg/L																
Cobalt	2009-03	mg/L																
Cobalt	2009-06	mg/L																
Cobalt	2009-09	mg/L																
Cobalt	2009-12	mg/L																
Cobalt	2010-03	mg/L																
Cobalt	2010-06	mg/L	0.00903	<0.0200														
Cobalt	2010-08	mg/L	<0.0200	<0.0200														
Cobalt	2010-09	mg/L	0.00555	<0.0200														
Cobalt	2010-12	mg/L	0.00539	<0.0200														
Cobalt	2011-03	mg/L	0.00470	0.00199														
Cobalt	2011-06	mg/L																
Cobalt	2011-07	mg/L																
Cobalt	2011-08	mg/L																
Cobalt	2011-09	mg/L	0.00742	0.00425														
Cobalt	2011-12	mg/L																
Cobalt	2012-03	mg/L	0.00340	<0.0200														

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Cobalt	2012-04	mg/L																
Cobalt	2012-06	mg/L																
Cobalt	2012-10	mg/L	<0.0200-U	<0.0200-U			0.00181	0.00972	0.0154	0.0115	<0.0200			0.00237	<0.0200-U	<0.0200-U	<0.0200-U	<0.0200-U
Cobalt	2013-03	mg/L	0.00178	0.00635			0.00282	0.00670	0.0228	0.0125	0.00132	<0.0200		0.00314	<0.0200	0.0314	0.0128	0.0332
Cobalt	2013-06	mg/L																
Cobalt	2013-09	mg/L	0.00149	<0.00700			<0.00700	0.0195	0.00812	0.00285	<0.00700	<0.00700		<0.00700	<0.00700	0.00726	0.00765	0.00341
Cobalt	2013-11	mg/L																
Cobalt	2014-03	mg/L	0.00263	0.00346			<0.00700	0.0296	0.0160	0.00580	<0.00700	<0.00700	<0.00700	0.00904	<0.00700	0.0144	0.0138	0.00582
Cobalt	2014-06	mg/L																
Cobalt	2014-09	mg/L	0.00139	<0.0005			0.00116	0.0124	0.0141	0.00805	0.000258	0.000493	0.000532	0.00350	0.000424	0.00835	0.00996	0.00436
Cobalt	2014-12	mg/L															0.0129	
Cobalt	2015-04	mg/L	0.000834	0.000104			0.000786	0.0152	0.00936	0.00483	0.000211	0.000310	0.000300			0.000268	0.0135	0.00245
Cobalt	2015-10	mg/L	0.00181	<0.02			0.00152	0.0246	0.00931	0.00632	0.000202 J	0.0021			0.013	0.00924	0.00148	
Cobalt	2016-04	mg/L	0.0013	0.000099 J			0.000863	0.0067	0.0147	0.00376	0.000281 J	0.000544	0.00052			0.00191	0.0106	0.000578
Cobalt	2016-10	mg/L	0.00234	0.000072 J			0.0018	0.0179	0.00948	0.00392	0.000321 J	0.00365	0.000801			0.0205	0.00745	0.00287
Cobalt	2017-03	mg/L	0.00184	0.00445			0.00186	0.00817	0.0133	0.00296	0.000274 J	0.00171	0.00241			0.0073	0.0093	0.000313 J
Cobalt	2017-06	mg/L	0.00522	0.00421			0.00184	0.00746				0.00198	0.000749					
Cobalt	2017-10	mg/L	0.00208	0.00223			0.00136	0.00987	0.0156	0.00362	0.00024 J	0.00361				0.0136	0.0076	0.000805
Cobalt	2017-12	mg/L					0.00123					0.00235						0.00291
Cobalt	2018-04	mg/L	0.00405	0.00223	0.00115		0.00147	0.00657	0.0198	0.00271	0.000779 e	0.000605	0.00131	0.00169	0.000308 J	0.00941	0.00465	0.00152
Cobalt	2018-07	mg/L											0.000929					
Cobalt	2018-10	mg/L	0.00286	0.000125 J			0.00162	0.00612	0.0172	0.00516	0.000317 J	0.000519	0.00105	0.0023	0.000359 J	0.00583	0.00308	0.00306
Cobalt	2019-01	mg/L																
Cobalt	2019-03	mg/L	0.00218	0.000394 J			0.00258	0.0051	0.0152	0.00556	0.000302	0.000373 J	0.000484 J	0.00182	0.000373 J	0.00124	0.00766	0.000727
Cobalt	2019-05	mg/L																
Cobalt	2019-10	mg/L	0.00175	0.000098 J			0.00193	0.00407	0.0124	0.00265	0.000339 J	0.00184	0.00103	0.00103	0.000293 J	0.00249	0.00546	0.00491
Cobalt	2020-03	mg/L	0.011	0.00784			0.00239	0.00271	0.0145	0.00273	0.000312 J	0.0007	0.00129	0.00453	0.000288 J	0.000422 J	0.007	0.000623
Cobalt	2020-09	mg/L	0.00978	0.00124			0.00357	0.00362	0.0154	0.00351	0.000357 J	0.0177	0.00768	0.000972	0.000235 J	0.0024	0.0064	0.00178
Cobalt	2020-11	mg/L	0.0198															
Cobalt	2020-12	mg/L	0.00607															
Cobalt	2021-03	mg/L	0.00731	0.00529			0.00143	0.00338	0.0149	0.00494	0.000335 J	0.000756	0.0289	0.000842	0.000302 J	0.000204 J	0.0048	0.000179 J
Cobalt	2021-05	mg/L																
Cobalt	2021-08	mg/L																
Cobalt	2021-10	mg/L	0.00448	0.000312 J	0.00072		0.00467	0.00591	0.0129	0.00567	0.000581	0.00965	0.00858	0.001	0.000826	0.00416	0.0091	0.000323 J
Cobalt	2021-12	mg/L																
Cobalt	2022-02	mg/L	0.00228		0.00032 J	0.0013												
Cobalt	2022-04	mg/L	0.00267	0.0129	0.000342 J	0.00123	0.000701	0.00446	0.00707	0.00344	0.000492 J	0.000481 J	0.0292	0.000939	0.000458 J	<0.0005	0.0045	<0.0005
Cobalt	2022-07	mg/L			0.000416 J	0.0012												
Cobalt	2022-10	mg/L	0.00246	0.00545	0.000298 J	0.00079	0.00365	0.00496	0.015	0.00515	0.000438 J	0.00643		0.00078	0.000579	0.00525	0.00498	0.00132
Cobalt	2023-04	mg/L	0.00206	0.00975		0.000769	0.00351	0.00255	0.0156	0.00339	0.000481 J	0.00104	0.0994	0.00181	0.000562	0.000241 J	0.00273	0.000238 J
Cobalt	2023-05	mg/L			0.000282 J													
Cobalt	2023-06	mg/L																
Cobalt	2023-10	mg/L	0.002	0.00179	<0.0005	0.000645	0.0033	0.0071	0.019	0.00562	0.000401 J	0.00278		0.00137	0.000645	0.0202	0.00517	<0.0005
Cobalt	2024-04	mg/L	0.00289	0.00931	<0.0005	0.000484 J	0.00206	0.00346	0.00852	0.0018	0.000278 J	0.000376 J	0.113	0.00495	0.0258	<0.0005	0.00424	<0.0005
Cobalt	2024-05	mg/L																
Cobalt	2024-09	mg/L	0.00205	<0.0005	<0.0005	0.000427 J	0.00306	0.00709	0.0154	0.00422	0.000335 J	0.00119	0.0731	0.000635	0.00074	0.00288	0.0059	0.000333 J
Copper	2008-01	mg/L					<0.02	<0.02	<0.0200	<0.02	<0.02	0.0234	<0.02	0.0269	<0.02			
Copper	2008-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2008-08	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
Copper	2008-09	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
Copper	2008-10	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
Copper	2009-03	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
Copper	2009-06	mg/L					<0.0200	<0.02	<0.02	<0.0200	<0.02				<0.0200			
Copper	2009-09	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2009-12	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200			
Copper	2010-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Copper	2010-06	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Copper	2010-08	mg/L										<0.0200	<0.0200			<0.0200	<0.0200	<0.0200

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Cobalt	2012-04	mg/L									0.0869	0.00329		0.00345		0.0617	0.0476	
Cobalt	2012-06	mg/L									0.0371	0.00287		<0.0200		0.0666	0.0247	
Cobalt	2012-10	mg/L									0.00189			0.00378		0.00791	0.0381	
Cobalt	2013-03	mg/L	0.00367								0.0332					0.0841	<0.0200	
Cobalt	2013-06	mg/L			0.0101													
Cobalt	2013-09	mg/L	0.0141	<0.00700	0.0263						0.0204					0.0575	<0.00700	
Cobalt	2013-11	mg/L			0.0175													
Cobalt	2014-03	mg/L	<0.00700		0.0116						0.00619					0.0465	0.00340	
Cobalt	2014-06	mg/L		<0.00700	0.00594													
Cobalt	2014-09	mg/L	0.000806	<0.0005	0.00557						0.00276					0.00432	0.00108	
Cobalt	2014-12	mg/L																
Cobalt	2015-04	mg/L	0.000701	0.0000600	0.00373 e						0.000868					<0.000500	0.0000820	
Cobalt	2015-10	mg/L	0.000798	<0.02	0.00468 e						0.000493 J					<0.02	0.000062 J	
Cobalt	2016-04	mg/L	0.000251 J	0.000052 J	0.00144						0.000161 J					0.000039 J	0.000059 J	
Cobalt	2016-10	mg/L	0.00253	0.00108	0.00726 e						0.000114 J					0.000252 J	0.000104 J	
Cobalt	2017-03	mg/L	0.000872	<0.0005	0.00186						0.000285 J					<0.0005	<0.0005	
Cobalt	2017-06	mg/L	0.0002 J		0.0015													
Cobalt	2017-10	mg/L	0.00029 J	0.000065 J	0.00146						0.000104 J					0.000048 J	0.000091 J	
Cobalt	2017-12	mg/L			0.00144													
Cobalt	2018-04	mg/L	0.000384 J	0.000093 J	0.00139	0.00238	0.000954				0.000198 J					<0.0005	0.000094 J	0.00176
Cobalt	2018-07	mg/L								0.00117								
Cobalt	2018-10	mg/L	0.000318 J	0.00976	0.00217	0.00293				0.000186 J	0.000407 J					<0.0005	0.000063 J	
Cobalt	2019-01	mg/L		0.00206						0.000123 J								
Cobalt	2019-03	mg/L	0.000284 J	0.00206	0.002	0.00127	0.00187			<0.0005	0.000124					<0.0005	<0.0005	
Cobalt	2019-05	mg/L		0.0029						0.000572 J								
Cobalt	2019-10	mg/L	0.000185 J	0.00207	0.00179	0.00234	0.000689			<0.0005	0.000131 J					0.000134 J	0.000157 J	
Cobalt	2020-03	mg/L	0.00021 J	0.00229	0.00194	0.00168	0.00455			<0.0005	<0.0005					<0.0005	<0.0005	
Cobalt	2020-09	mg/L	0.000247 J	0.00855	0.00179	0.00245	0.00125			<0.0005	<0.0005					<0.0005	<0.0005	
Cobalt	2020-11	mg/L																
Cobalt	2020-12	mg/L																
Cobalt	2021-03	mg/L	0.0156	0.0106	0.00183	0.00197	0.00151	0.0053	0.00281	0.000237 J	<0.0005					<0.0005	<0.0005	
Cobalt	2021-05	mg/L	0.018															
Cobalt	2021-08	mg/L							0.00424	0.00119								
Cobalt	2021-10	mg/L	0.0096	0.00682	0.00165	0.00194	0.000887	0.00363	0.00247	0.00049 J	0.00288							
Cobalt	2021-12	mg/L	0.0243															
Cobalt	2022-02	mg/L						0.0055	0.00203									
Cobalt	2022-04	mg/L	0.00428	0.0101	0.00178	0.00216	0.00181	0.00533	0.000587	0.0019	<0.0005							
Cobalt	2022-07	mg/L																
Cobalt	2022-10	mg/L	0.0332	0.00453	0.00209	0.00189	0.000752	0.00412	0.000395 J	0.000344 J	0.00184							
Cobalt	2023-04	mg/L	0.014	0.00896	0.00181	0.00203	0.00232	0.0101	0.000582	0.000296 J	0.00129							
Cobalt	2023-05	mg/L																
Cobalt	2023-06	mg/L	0.00743															
Cobalt	2023-10	mg/L	0.0539	0.00283	0.00249	0.0019	0.000793	0.00606	0.00158	0.00243	0.000251 J							
Cobalt	2024-04	mg/L	0.000204 J	0.00392	0.00162	0.00223	0.00594	0.127	0.000742	0.000891	0.00036 J							
Cobalt	2024-05	mg/L		0.00983				0.0525				0.000966	0.012	0.00631	<0.0005			<0.0005
Cobalt	2024-09	mg/L	0.000182 J	0.0068	0.0017	0.00158	0.00263	0.0131	0.000233 J	0.000224 J	0.000271 J	0.00176	0.012	0.00847	<0.0005	<0.0005	<0.0005	0.000174 J
Copper	2008-01	mg/L																
Copper	2008-03	mg/L																
Copper	2008-08	mg/L																
Copper	2008-09	mg/L																
Copper	2008-10	mg/L																
Copper	2009-03	mg/L																
Copper	2009-06	mg/L																
Copper	2009-09	mg/L																
Copper	2009-12	mg/L																
Copper	2010-03	mg/L																
Copper	2010-06	mg/L	<0.0200	<0.0200														
Copper	2010-08	mg/L	<0.0200	<0.0200														

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Copper	2010-09	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2010-12	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Copper	2011-03	mg/L		<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2011-06	mg/L		<0.0200									<0.0200		<0.0200	<0.0200	<0.0200	<0.0200
Copper	2011-07	mg/L	<0.0200															
Copper	2011-08	mg/L		<0.0200														
Copper	2011-09	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2011-12	mg/L	<0.0200	<0.0200											<0.0200	<0.0200	<0.0200	<0.0200
Copper	2012-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<b>0.0347</b>
Copper	2012-04	mg/L																
Copper	2012-06	mg/L																
Copper	2012-10	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Copper	2013-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<b>0.0326</b>
Copper	2013-06	mg/L																
Copper	2013-09	mg/L	<0.0200	<0.0200			<0.0200	<b>0.00180</b>	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<b>0.00176</b>
Copper	2013-11	mg/L																
Copper	2014-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<b>0.00480</b>	<0.0200	<b>0.00945</b>
Copper	2014-06	mg/L																
Copper	2014-09	mg/L	<0.002	<0.002			<0.00200	<b>0.000947</b>	<b>0.000495</b>	<0.00200	<0.002	<0.002	<0.002	<0.00200	<0.00200	<b>0.00108</b>	<0.00200	<b>0.00363</b>
Copper	2014-12	mg/L																<0.00200
Copper	2015-04	mg/L	<0.00200	<0.002			<0.00200	<b>0.000850</b>	<0.002	<0.002	<0.002	<b>0.00124</b>	<0.00200			<b>0.00186</b>	<0.002	<b>0.00207</b>
Copper	2015-10	mg/L	<b>0.000748 J</b>	<b>0.000705 J</b>			<0.02	<b>0.000774 J</b>	<b>0.00198 J</b>	<0.02	<b>0.0005 J</b>	<b>0.00369</b>				<b>0.000592 J</b>	<0.02	<b>0.00222</b>
Copper	2016-04	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<b>0.01280</b>	<b>0.00211 J</b>	<0.005			<0.005	<0.005	<0.005
Copper	2016-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00124 J</b>	<0.005			<0.005	<b>0.00297 J0</b>	<0.005
Copper	2017-03	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
Copper	2017-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<b>0.00329 J0</b>	<0.005
Copper	2017-12	mg/L					<0.005					<0.005						<b>0.00257 J</b>
Copper	2018-04	mg/L	<0.005	<b>0.00227 J</b>	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Copper	2018-07	mg/L													<0.005			
Copper	2018-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<b>0.07040</b>	<b>0.01030</b>	<b>0.00232 J</b>	<0.005			<0.005	<0.005	<b>0.00176 J</b>
Copper	2019-01	mg/L																
Copper	2019-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<b>0.00214 J</b>	<0.005	<0.005
Copper	2019-05	mg/L																
Copper	2019-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<b>0.00378 J</b>
Copper	2020-03	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
Copper	2020-09	mg/L	<b>0.00201 J</b>	<0.005			<b>0.00213 J</b>	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<b>0.00275 J</b>	<0.005	<b>0.00206 J</b>
Copper	2020-11	mg/L	<b>0.00813</b>															
Copper	2020-12	mg/L	<0.005															
Copper	2021-03	mg/L	<0.005	<0.005			<b>0.00259 J</b>	<0.005	<0.005	<0.005	<0.005	<b>0.00181 J</b>	<b>0.00147 J</b>			<b>0.00165 J</b>	<0.005	<0.005
Copper	2021-05	mg/L																
Copper	2021-08	mg/L																
Copper	2021-10	mg/L	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<b>0.00254 J</b>	<b>0.00276 J</b>	<0.005			<0.005	<0.005	<0.005
Copper	2021-12	mg/L																
Copper	2022-02	mg/L	<0.005		<0.005	<0.005												
Copper	2022-04	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.00284 J</b>	<0.005	<0.005	<0.005	<b>0.00218 J</b>	<b>0.00352 J</b>	<b>0.00412 J</b>			<0.005	<0.005	<0.005
Copper	2022-07	mg/L			<0.005	<0.005												
Copper	2022-10	mg/L	<0.005	<b>0.00319 J</b>	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00315 J</b>				<0.005	<0.005	<0.005
Copper	2023-04	mg/L	<b>0.00186 J</b>	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Copper	2023-05	mg/L			<b>0.00184 J</b>													
Copper	2023-10	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00197 J</b>	<0.005	<0.005	<0.005	<b>0.00316 J</b>				<0.005	<b>0.00189 J</b>	<0.005
Copper	2024-04	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.00248 J</b>	<b>0.00198 J</b>	<0.005	<0.005	<0.005	<b>0.00415 J</b>	<0.005			<0.005	<0.005	<0.005
Copper	2024-05	mg/L																
Copper	2024-09	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00199 J</b>	<0.005			<b>0.00197 J</b>	<0.005	<0.005
Cyanide	2009-03	mg/L						<0.01	<0.01	<0.01					<0.0100			
Cyanide	2009-06	mg/L					<0.0100	<0.01	<0.01	<0.0100	<0.01							
Cyanide	2009-09	mg/L					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				<0.0100			
Cyanide	2009-12	mg/L					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				<0.0100			
Cyanide	2010-03	mg/L					<0.0100				<0.0100				<0.0100			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Copper	2010-09	mg/L	<0.0200	<0.0200														
Copper	2010-12	mg/L	<0.0200	<0.0200														
Copper	2011-03	mg/L	<0.0200	<0.0200														
Copper	2011-06	mg/L																
Copper	2011-07	mg/L																
Copper	2011-08	mg/L																
Copper	2011-09	mg/L	<0.0200	<0.0200														
Copper	2011-12	mg/L																
Copper	2012-03	mg/L	<0.0200	<0.0200														
Copper	2012-04	mg/L									0.0627	<0.0200		<0.0200		0.0492	0.110	
Copper	2012-06	mg/L									<0.0400	<0.0200		<0.0200		0.0370	0.0628	
Copper	2012-10	mg/L									<0.0200			<0.0200		<0.0200	0.0333	
Copper	2013-03	mg/L	0.00187								0.0202					0.0452	0.00326	
Copper	2013-06	mg/L			<0.0200													
Copper	2013-09	mg/L	0.0118	<0.0200	0.0231						0.0341					0.0433	<0.0200	
Copper	2013-11	mg/L			0.0180													
Copper	2014-03	mg/L	<0.0200		0.00985						0.0175					0.0288	0.00513	
Copper	2014-06	mg/L		<0.0200	0.00433													
Copper	2014-09	mg/L	<0.002	<0.002	0.00431						0.00842					0.00453	0.00287	
Copper	2014-12	mg/L																
Copper	2015-04	mg/L	<0.00200	<0.00200	<0.00200						0.00218					0.000549	<0.00200	
Copper	2015-10	mg/L	0.0005 J	<0.02	<0.02						<0.02					<0.02	<0.02	
Copper	2016-04	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Copper	2016-10	mg/L	<0.005	0.00225 J	<0.005						<0.005					<0.005	<0.005	
Copper	2017-03	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Copper	2017-10	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Copper	2017-12	mg/L			<0.005													
Copper	2018-04	mg/L	<0.005	<0.005	<0.005						0.00277 J					<0.005	<0.005	
Copper	2018-07	mg/L								<0.005								
Copper	2018-10	mg/L	<0.005	<0.005	<0.005					<0.005	0.00322 J					<0.005	<0.005	
Copper	2019-01	mg/L								<0.005								
Copper	2019-03	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Copper	2019-05	mg/L		0.000648 J						<0.002								
Copper	2019-10	mg/L	<0.005	<0.005	<0.005					<0.005	0.00272 J					<0.005	<0.005	
Copper	2020-03	mg/L	<0.005	<0.005	<0.005					0.00386 J	<0.005					<0.005	<0.005	
Copper	2020-09	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Copper	2020-11	mg/L																
Copper	2020-12	mg/L																
Copper	2021-03	mg/L	0.00142 J	<0.005	<0.005			<0.005	0.00725	<0.005	0.00183 J					<0.005	<0.005	
Copper	2021-05	mg/L	<0.005															
Copper	2021-08	mg/L						<0.005	0.00539									
Copper	2021-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.0129	<0.005	0.00792							
Copper	2021-12	mg/L	<0.005															
Copper	2022-02	mg/L						0.00186 J	0.0096									
Copper	2022-04	mg/L	<0.035	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Copper	2022-07	mg/L																
Copper	2022-10	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	0.00538							
Copper	2023-04	mg/L	0.00192 J	<0.005	<0.005			<0.005	0.00191 J	<0.005	0.00287 J							
Copper	2023-05	mg/L																
Copper	2023-10	mg/L	<0.005	<0.005	<0.005			0.00263 J	0.00439 J	<0.005	0.00195 J							
Copper	2024-04	mg/L	<0.005	<0.005	<0.005			0.00447 J	<0.005	<0.005	0.00197 J							
Copper	2024-05	mg/L						0.00289 J				<0.005	0.00202 J	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	2024-09	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	0.00203 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	2009-03	mg/L																
Cyanide	2009-06	mg/L																
Cyanide	2009-09	mg/L																
Cyanide	2009-12	mg/L																
Cyanide	2010-03	mg/L																



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Cyanide	2010-06	mg/L										<0.0100						
Cyanide	2010-08	mg/L										<0.0100	<0.0100					
Cyanide	2010-09	mg/L					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100				
Cyanide	2010-12	mg/L										<0.0100						
Cyanide	2011-03	mg/L										<0.0100		<0.0100				
Cyanide	2011-06	mg/L										<0.0100		<0.0100	<0.0100	<0.0100	<0.0100	
Cyanide	2011-09	mg/L					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100		<0.0100	<0.0100	<0.0100	<0.0100	
Cyanide	2011-12	mg/L												<0.0100	<0.0100	<0.0100	<0.0100	
Cyanide	2012-03	mg/L													<0.0100	<0.0100	<0.0100	
Cyanide	2014-12	mg/L														<0.0100	<0.0100	<0.0100
Cyanide	2016-10	mg/L							<0.01	0.00508 J	<0.01					<0.01	<0.01	
Cyanide	2017-10	mg/L						<0.01	<0.01									<0.01
Cyanide	2017-12	mg/L										<0.01						
Cyanide	2018-07	mg/L											<0.01					
Cyanide	2018-10	mg/L											<0.01					
Cyanide	2019-05	mg/L																
Cyanide	2021-10	mg/L							<0.01	<0.01	<0.01					<0.01	<0.01	
Cyanide	2021-12	mg/L																
Cyanide	2022-10	mg/L					<0.01	<0.01				<0.01						<0.01
Cyanide	2024-04	mg/L											<0.01					
delta-BHC	2009-03	ug/L						<0.032	<0.032	<0.032								
delta-BHC	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
delta-BHC	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
delta-BHC	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	0.0405			<0.0320				
delta-BHC	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
delta-BHC	2010-06	ug/L										<0.0320						
delta-BHC	2010-08	ug/L										<0.0320	<0.0320					
delta-BHC	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
delta-BHC	2010-12	ug/L										<0.0320						
delta-BHC	2011-03	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
delta-BHC	2011-06	ug/L											<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	
delta-BHC	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
delta-BHC	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
delta-BHC	2012-03	ug/L									<0.0320					<0.0320	<0.0320	
delta-BHC	2012-10	ug/L									<0.0320							
delta-BHC	2013-03	ug/L									0.00622							
delta-BHC	2013-09	ug/L									0.00890							
delta-BHC	2014-03	ug/L									0.0108							
delta-BHC	2014-09	ug/L								0.0125	<0.0348							
delta-BHC	2014-12	ug/L															0.00500	
delta-BHC	2015-04	ug/L									0.00651							
delta-BHC	2015-10	ug/L									<0.032							
delta-BHC	2016-10	ug/L							0.00247 J	<0.032	<0.0344				0.00494 J	<0.033		
delta-BHC	2017-03	ug/L									<0.16							
delta-BHC	2017-10	ug/L									<0.0327							
delta-BHC	2017-12	ug/L					<0.0333					<0.0333						<0.0333
delta-BHC	2018-04	ug/L									<0.0344							
delta-BHC	2018-07	ug/L											0.00313 J					
delta-BHC	2018-10	ug/L									0.0241 J		<0.033					
delta-BHC	2019-03	ug/L									0.0091							
delta-BHC	2019-05	ug/L																
delta-BHC	2019-10	ug/L																
delta-BHC	2020-03	ug/L									<0.033							
delta-BHC	2020-09	ug/L									0.00763 J							
delta-BHC	2021-03	ug/L									<0.0337							
delta-BHC	2021-10	ug/L							<0.0337	0.0254 J	<0.0337					<0.0337	<0.0337	
delta-BHC	2021-12	ug/L																
delta-BHC	2022-10	ug/L					<0.0542	<0.0561					<0.0542					<0.0582

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Cyanide	2010-06	mg/L																
Cyanide	2010-08	mg/L																
Cyanide	2010-09	mg/L																
Cyanide	2010-12	mg/L																
Cyanide	2011-03	mg/L																
Cyanide	2011-06	mg/L																
Cyanide	2011-09	mg/L																
Cyanide	2011-12	mg/L																
Cyanide	2012-03	mg/L																
Cyanide	2014-12	mg/L																
Cyanide	2016-10	mg/L									<0.01					<0.01	<0.01	
Cyanide	2017-10	mg/L																
Cyanide	2017-12	mg/L			<0.01													
Cyanide	2018-07	mg/L								<0.01								
Cyanide	2018-10	mg/L								<0.01								
Cyanide	2019-05	mg/L		<0.01														
Cyanide	2021-10	mg/L																
Cyanide	2021-12	mg/L	0.0061 J															
Cyanide	2022-10	mg/L			<0.01													
Cyanide	2024-04	mg/L		<0.01														
delta-BHC	2009-03	ug/L																
delta-BHC	2009-06	ug/L																
delta-BHC	2009-09	ug/L																
delta-BHC	2009-12	ug/L																
delta-BHC	2010-03	ug/L																
delta-BHC	2010-06	ug/L																
delta-BHC	2010-08	ug/L																
delta-BHC	2010-09	ug/L																
delta-BHC	2010-12	ug/L																
delta-BHC	2011-03	ug/L																
delta-BHC	2011-06	ug/L																
delta-BHC	2011-09	ug/L																
delta-BHC	2011-12	ug/L																
delta-BHC	2012-03	ug/L																
delta-BHC	2012-10	ug/L																
delta-BHC	2013-03	ug/L									<0.0330							
delta-BHC	2013-09	ug/L									<0.0330							
delta-BHC	2014-03	ug/L									<0.0344							
delta-BHC	2014-09	ug/L									<0.032							
delta-BHC	2014-12	ug/L																
delta-BHC	2015-04	ug/L									<0.033							
delta-BHC	2015-10	ug/L									<0.032					<0.032	<0.032	
delta-BHC	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
delta-BHC	2017-03	ug/L									<0.032					<0.0323	<0.032	
delta-BHC	2017-10	ug/L									<0.0333					<0.0323	<0.0327	
delta-BHC	2017-12	ug/L			<0.0333													
delta-BHC	2018-04	ug/L																
delta-BHC	2018-07	ug/L								<0.0323								
delta-BHC	2018-10	ug/L								<0.033								
delta-BHC	2019-03	ug/L																
delta-BHC	2019-05	ug/L		<0.0327														
delta-BHC	2019-10	ug/L																
delta-BHC	2020-03	ug/L																
delta-BHC	2020-09	ug/L																
delta-BHC	2021-03	ug/L																
delta-BHC	2021-10	ug/L																
delta-BHC	2021-12	ug/L	0.0241 J															
delta-BHC	2022-10	ug/L			<0.0542													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
delta-BHC	2023-04	ug/L									<0.064							
delta-BHC	2024-04	ug/L											<0.064					
Diallate	2009-03	ug/L						<10-	<10-	<10-								
Diallate	2009-06	ug/L					<10.0-	<10-	<10-	<10.0-	<10-			<10.0-				
Diallate	2009-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Diallate	2009-12	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Diallate	2010-03	ug/L					<10.0-				<10.0-			<10.0-				
Diallate	2010-06	ug/L										<10.0-						
Diallate	2010-08	ug/L										<10.0-	<10.0-					
Diallate	2010-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-				
Diallate	2010-12	ug/L										<10.0-						
Diallate	2011-03	ug/L											<10.0-		<10.0-			
Diallate	2011-06	ug/L											<10.0-		<10.0-	<10.0-	<10.0-	
Diallate	2011-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-		<10.0-	<10.0-	<10.0-	<10.0-	
Diallate	2011-12	ug/L													<10.0-	<10.0-	<10.0-	
Diallate	2012-03	ug/L														<10.0-	<10.0-	
Diallate	2014-12	ug/L															<10.2	
Diallate	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Diallate	2017-10	ug/L						<10.5										
Diallate	2017-12	ug/L					<10.6					<10.4						<10.4
Diallate	2018-07	ug/L											<10.4					
Diallate	2018-10	ug/L											<10.4					
Diallate	2019-05	ug/L																
Diallate	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Diallate	2021-12	ug/L																
Diallate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Diallate	2024-04	ug/L											<10.6					
Dibenzo(a,h)anthracene	2009-03	ug/L						<10-	<10-	<10-								
Dibenzo(a,h)anthracene	2009-06	ug/L					<10.0-	<10-	<10-	<10.0-	<10-			<10.0-				
Dibenzo(a,h)anthracene	2009-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Dibenzo(a,h)anthracene	2009-12	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Dibenzo(a,h)anthracene	2010-03	ug/L					<10.0-				<10.0-			<10.0-				
Dibenzo(a,h)anthracene	2010-06	ug/L										<10.0-						
Dibenzo(a,h)anthracene	2010-08	ug/L										<10.0-	<10.0-					
Dibenzo(a,h)anthracene	2010-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-				
Dibenzo(a,h)anthracene	2010-12	ug/L										<10.0-						
Dibenzo(a,h)anthracene	2011-03	ug/L											<10.0-		<10.0-			
Dibenzo(a,h)anthracene	2011-06	ug/L											<10.0-		<10.0-	<10.0-	<10.0-	
Dibenzo(a,h)anthracene	2011-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-	<10.0-		<10.0-	<10.0-	<10.0-	<10.0-	
Dibenzo(a,h)anthracene	2011-12	ug/L												<10.0-	<10.0-	<10.0-	<10.0-	
Dibenzo(a,h)anthracene	2012-03	ug/L														<10.0-	<10.0-	
Dibenzo(a,h)anthracene	2014-12	ug/L															<10.2	
Dibenzo(a,h)anthracene	2016-10	ug/L							<10	<b>0.597 J</b>	<10.9					<11.2	<11.1	
Dibenzo(a,h)anthracene	2017-10	ug/L						<10.5										
Dibenzo(a,h)anthracene	2017-12	ug/L					<10.6					<10.4						<10.4
Dibenzo(a,h)anthracene	2018-07	ug/L											<10.4					
Dibenzo(a,h)anthracene	2018-10	ug/L											<10.4					
Dibenzo(a,h)anthracene	2019-05	ug/L																
Dibenzo(a,h)anthracene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Dibenzo(a,h)anthracene	2021-12	ug/L																
Dibenzo(a,h)anthracene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Dibenzo(a,h)anthracene	2024-04	ug/L											<10.6					
Dibenzofuran	2009-03	ug/L						<10-	<10-	<10-								
Dibenzofuran	2009-06	ug/L					<10.0-	<10-	<10-	<10.0-	<10-			<10.0-				
Dibenzofuran	2009-09	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Dibenzofuran	2009-12	ug/L					<10.0-	<10.0-	<10.0-	<10.0-	<10.0-			<10.0-				
Dibenzofuran	2010-03	ug/L					<10.0-				<10.0-			<10.0-				
Dibenzofuran	2010-06	ug/L										<10.0-						

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delta-BHC	2023-04	ug/L	<0.064															
delta-BHC	2024-04	ug/L		<0.064														
Diallate	2009-03	ug/L																
Diallate	2009-06	ug/L																
Diallate	2009-09	ug/L																
Diallate	2009-12	ug/L																
Diallate	2010-03	ug/L																
Diallate	2010-06	ug/L																
Diallate	2010-08	ug/L																
Diallate	2010-09	ug/L																
Diallate	2010-12	ug/L																
Diallate	2011-03	ug/L																
Diallate	2011-06	ug/L																
Diallate	2011-09	ug/L																
Diallate	2011-12	ug/L																
Diallate	2012-03	ug/L																
Diallate	2014-12	ug/L																
Diallate	2016-10	ug/L									<10.4					<10.3	<10.2	
Diallate	2017-10	ug/L																
Diallate	2017-12	ug/L			<10.4													
Diallate	2018-07	ug/L								<10.1								
Diallate	2018-10	ug/L								<10.3								
Diallate	2019-05	ug/L		<10.1														
Diallate	2021-10	ug/L																
Diallate	2021-12	ug/L	<10.5															
Diallate	2022-10	ug/L			<8.77													
Diallate	2024-04	ug/L		<10.2														
Dibenzo(a,h)anthracene	2009-03	ug/L																
Dibenzo(a,h)anthracene	2009-06	ug/L																
Dibenzo(a,h)anthracene	2009-09	ug/L																
Dibenzo(a,h)anthracene	2009-12	ug/L																
Dibenzo(a,h)anthracene	2010-03	ug/L																
Dibenzo(a,h)anthracene	2010-06	ug/L																
Dibenzo(a,h)anthracene	2010-08	ug/L																
Dibenzo(a,h)anthracene	2010-09	ug/L																
Dibenzo(a,h)anthracene	2010-12	ug/L																
Dibenzo(a,h)anthracene	2011-03	ug/L																
Dibenzo(a,h)anthracene	2011-06	ug/L																
Dibenzo(a,h)anthracene	2011-09	ug/L																
Dibenzo(a,h)anthracene	2011-12	ug/L																
Dibenzo(a,h)anthracene	2012-03	ug/L																
Dibenzo(a,h)anthracene	2014-12	ug/L																
Dibenzo(a,h)anthracene	2016-10	ug/L									<10.4					<10.3	<10.2	
Dibenzo(a,h)anthracene	2017-10	ug/L																
Dibenzo(a,h)anthracene	2017-12	ug/L			<10.4													
Dibenzo(a,h)anthracene	2018-07	ug/L								<10.1								
Dibenzo(a,h)anthracene	2018-10	ug/L								<10.3								
Dibenzo(a,h)anthracene	2019-05	ug/L		<10.1														
Dibenzo(a,h)anthracene	2021-10	ug/L																
Dibenzo(a,h)anthracene	2021-12	ug/L	<10.5															
Dibenzo(a,h)anthracene	2022-10	ug/L			<8.77													
Dibenzo(a,h)anthracene	2024-04	ug/L		<10.2														
Dibenzofuran	2009-03	ug/L																
Dibenzofuran	2009-06	ug/L																
Dibenzofuran	2009-09	ug/L																
Dibenzofuran	2009-12	ug/L																
Dibenzofuran	2010-03	ug/L																
Dibenzofuran	2010-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Dibenzofuran	2010-08	ug/L										<10.0	<10.0					
Dibenzofuran	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Dibenzofuran	2010-12	ug/L										<10.0						
Dibenzofuran	2011-03	ug/L											<10.0		<10.0			
Dibenzofuran	2011-06	ug/L										<10.0			<10.0	<10.0	<10.0	
Dibenzofuran	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Dibenzofuran	2011-12	ug/L													<10.0	<10.0	<10.0	
Dibenzofuran	2012-03	ug/L														<10.0	<10.0	
Dibenzofuran	2014-12	ug/L															<10.2	
Dibenzofuran	2016-10	ug/L						<10	<10	<10	<10.9					<11.2	<11.1	
Dibenzofuran	2017-10	ug/L						<10.5										
Dibenzofuran	2017-12	ug/L					<10.6					<10.4						<10.4
Dibenzofuran	2018-07	ug/L											<10.4					
Dibenzofuran	2018-10	ug/L											<10.4					
Dibenzofuran	2019-05	ug/L																
Dibenzofuran	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Dibenzofuran	2021-12	ug/L																
Dibenzofuran	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Dibenzofuran	2024-04	ug/L										<10.6						
Dibromomethane	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Dibromomethane	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Dibromomethane	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Dibromomethane	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Dibromomethane	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Dibromomethane	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Dibromomethane	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Dibromomethane	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Dibromomethane	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Dibromomethane	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Dibromomethane	2010-06	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Dibromomethane	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2010-12	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	<1.00
Dibromomethane	2011-06	ug/L		<1.00								<1.00			<1.00	<1.00	<1.00	<1.00
Dibromomethane	2011-07	ug/L	<1.00															
Dibromomethane	2011-08	ug/L		<1.00														
Dibromomethane	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	<1.00
Dibromomethane	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2012-06	ug/L																
Dibromomethane	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2013-06	ug/L																
Dibromomethane	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2013-11	ug/L																
Dibromomethane	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	2014-06	ug/L																
Dibromomethane	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Dibromomethane	2014-12	ug/L																<1.00
Dibromomethane	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
Dibromomethane	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2017-12	ug/L					<1					<1						<1

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Dibenzofuran	2010-08	ug/L																
Dibenzofuran	2010-09	ug/L																
Dibenzofuran	2010-12	ug/L																
Dibenzofuran	2011-03	ug/L																
Dibenzofuran	2011-06	ug/L																
Dibenzofuran	2011-09	ug/L																
Dibenzofuran	2011-12	ug/L																
Dibenzofuran	2012-03	ug/L																
Dibenzofuran	2014-12	ug/L																
Dibenzofuran	2016-10	ug/L										<10.4				<10.3	<10.2	
Dibenzofuran	2017-10	ug/L																
Dibenzofuran	2017-12	ug/L			<10.4													
Dibenzofuran	2018-07	ug/L								<10.1								
Dibenzofuran	2018-10	ug/L								<10.3								
Dibenzofuran	2019-05	ug/L		<10.1														
Dibenzofuran	2021-10	ug/L																
Dibenzofuran	2021-12	ug/L	<10.5															
Dibenzofuran	2022-10	ug/L			<8.77													
Dibenzofuran	2024-04	ug/L		<10.2														
Dibromomethane	2008-01	ug/L																
Dibromomethane	2008-03	ug/L																
Dibromomethane	2008-08	ug/L																
Dibromomethane	2008-09	ug/L																
Dibromomethane	2008-10	ug/L																
Dibromomethane	2009-03	ug/L																
Dibromomethane	2009-06	ug/L																
Dibromomethane	2009-09	ug/L																
Dibromomethane	2009-12	ug/L																
Dibromomethane	2010-03	ug/L																
Dibromomethane	2010-06	ug/L	<1.00	<1.00														
Dibromomethane	2010-08	ug/L	<1.00	<1.00														
Dibromomethane	2010-09	ug/L	<1.00	<1.00														
Dibromomethane	2010-12	ug/L	<1.00	<1.00														
Dibromomethane	2011-03	ug/L	<1.00	<1.00														
Dibromomethane	2011-04	ug/L																
Dibromomethane	2011-06	ug/L																
Dibromomethane	2011-07	ug/L																
Dibromomethane	2011-08	ug/L																
Dibromomethane	2011-09	ug/L	<1.00	<1.00														
Dibromomethane	2011-12	ug/L																
Dibromomethane	2012-03	ug/L	<1.00	<1.00														
Dibromomethane	2012-06	ug/L								<1.00	<1.00			<1.00		<1.00	<1.00	
Dibromomethane	2012-10	ug/L																
Dibromomethane	2013-03	ug/L	<1.00							<1.00								
Dibromomethane	2013-06	ug/L			<1.00													
Dibromomethane	2013-09	ug/L	<1.00	<1.00	<1.00					<1.00								
Dibromomethane	2013-11	ug/L			<1.00													
Dibromomethane	2014-03	ug/L	<1.00		<1.00						<1.00							
Dibromomethane	2014-06	ug/L		<1.00	<1.00													
Dibromomethane	2014-09	ug/L	<1	<1	<1					<1								
Dibromomethane	2014-12	ug/L																
Dibromomethane	2015-04	ug/L	< 1.00	< 1.00	< 1.00					< 1								
Dibromomethane	2015-10	ug/L	<1	<1	<1					<1						<1	<1	
Dibromomethane	2016-04	ug/L	<1	<1	<1					<1						<1	<1	
Dibromomethane	2016-10	ug/L	<1	<1	<1					<1						<1	<1	
Dibromomethane	2017-03	ug/L	<1	<1	<1					<1						<1	<1	
Dibromomethane	2017-10	ug/L	<1	<1	<1					<1						<1	<1	
Dibromomethane	2017-12	ug/L			<1													

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Dibromomethane	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2018-07	ug/L											<1					
Dibromomethane	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2019-01	ug/L																
Dibromomethane	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2019-05	ug/L																
Dibromomethane	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2021-05	ug/L																
Dibromomethane	2021-08	ug/L																
Dibromomethane	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2021-12	ug/L																
Dibromomethane	2022-02	ug/L	<1		<1	<1												
Dibromomethane	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2022-07	ug/L			<1	<1												
Dibromomethane	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2023-05	ug/L			<1													
Dibromomethane	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Dichlorodifluoromethane	2009-03	ug/L						<3	<3	<3								
Dichlorodifluoromethane	2009-06	ug/L					<15.0	<3	<3	<3.00	<3			<3.00				
Dichlorodifluoromethane	2009-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00			<3.00				
Dichlorodifluoromethane	2009-12	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00			<3.00				
Dichlorodifluoromethane	2010-03	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00			<3.00				
Dichlorodifluoromethane	2010-06	ug/L										<3.00						
Dichlorodifluoromethane	2010-08	ug/L										<3.00	<3.00					
Dichlorodifluoromethane	2010-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00				
Dichlorodifluoromethane	2010-12	ug/L										<3.00						
Dichlorodifluoromethane	2011-03	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Dichlorodifluoromethane	2011-04	ug/L					<3.00		<3.00	<3.00	<3.00							<3.00
Dichlorodifluoromethane	2011-06	ug/L										<3.00		<3.00	<3.00	<3.00	<3.00	
Dichlorodifluoromethane	2011-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	
Dichlorodifluoromethane	2011-12	ug/L												<3.00	<3.00	<3.00	<3.00	
Dichlorodifluoromethane	2012-03	ug/L												<3.00		<3.00	<3.00	
Dichlorodifluoromethane	2014-12	ug/L																<3.00
Dichlorodifluoromethane	2016-10	ug/L							0.208 J	0.359 J	<3					<3	<3	
Dichlorodifluoromethane	2017-10	ug/L						<3										
Dichlorodifluoromethane	2017-12	ug/L					<3					<3						<3
Dichlorodifluoromethane	2018-07	ug/L											<3					
Dichlorodifluoromethane	2018-10	ug/L											<3					
Dichlorodifluoromethane	2019-05	ug/L																
Dichlorodifluoromethane	2021-10	ug/L							<3	<3	<3					<3	<3	
Dichlorodifluoromethane	2021-12	ug/L																
Dichlorodifluoromethane	2022-10	ug/L					<3	<3				<3						<3
Dichlorodifluoromethane	2024-04	ug/L											<3					
Dieldrin	2009-03	ug/L						<0.032	<0.032	<0.032								
Dieldrin	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Dieldrin	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Dieldrin	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Dieldrin	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Dieldrin	2010-06	ug/L										<0.0320						
Dieldrin	2010-08	ug/L										<0.0320	<0.0320					
Dieldrin	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Dieldrin	2010-12	ug/L										<0.0320						

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Dibromomethane	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Dibromomethane	2018-07	ug/L								<1								
Dibromomethane	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Dibromomethane	2019-01	ug/L								<1								
Dibromomethane	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Dibromomethane	2019-05	ug/L			<1					<1								
Dibromomethane	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Dibromomethane	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Dibromomethane	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Dibromomethane	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Dibromomethane	2021-05	ug/L	<1															
Dibromomethane	2021-08	ug/L						<1	<1									
Dibromomethane	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2021-12	ug/L	<1															
Dibromomethane	2022-02	ug/L						<1	<1									
Dibromomethane	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2022-07	ug/L																
Dibromomethane	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2023-05	ug/L																
Dibromomethane	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Dibromomethane	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	2009-03	ug/L																
Dichlorodifluoromethane	2009-06	ug/L																
Dichlorodifluoromethane	2009-09	ug/L																
Dichlorodifluoromethane	2009-12	ug/L																
Dichlorodifluoromethane	2010-03	ug/L																
Dichlorodifluoromethane	2010-06	ug/L																
Dichlorodifluoromethane	2010-08	ug/L																
Dichlorodifluoromethane	2010-09	ug/L																
Dichlorodifluoromethane	2010-12	ug/L																
Dichlorodifluoromethane	2011-03	ug/L																
Dichlorodifluoromethane	2011-04	ug/L																
Dichlorodifluoromethane	2011-06	ug/L																
Dichlorodifluoromethane	2011-09	ug/L																
Dichlorodifluoromethane	2011-12	ug/L																
Dichlorodifluoromethane	2012-03	ug/L																
Dichlorodifluoromethane	2014-12	ug/L																
Dichlorodifluoromethane	2016-10	ug/L									<3					<3	<3	
Dichlorodifluoromethane	2017-10	ug/L																
Dichlorodifluoromethane	2017-12	ug/L			<3													
Dichlorodifluoromethane	2018-07	ug/L								<3								
Dichlorodifluoromethane	2018-10	ug/L								<3								
Dichlorodifluoromethane	2019-05	ug/L		<3														
Dichlorodifluoromethane	2021-10	ug/L																
Dichlorodifluoromethane	2021-12	ug/L	<3															
Dichlorodifluoromethane	2022-10	ug/L			<3													
Dichlorodifluoromethane	2024-04	ug/L		<3														
Dieldrin	2009-03	ug/L																
Dieldrin	2009-06	ug/L																
Dieldrin	2009-09	ug/L																
Dieldrin	2009-12	ug/L																
Dieldrin	2010-03	ug/L																
Dieldrin	2010-06	ug/L																
Dieldrin	2010-08	ug/L																
Dieldrin	2010-09	ug/L																
Dieldrin	2010-12	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Dieldrin	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Dieldrin	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
Dieldrin	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Dieldrin	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
Dieldrin	2012-03	ug/L														<0.0320	<0.0320	
Dieldrin	2014-12	ug/L															<0.0352	
Dieldrin	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
Dieldrin	2017-10	ug/L						<0.0333										
Dieldrin	2017-12	ug/L					0.00588 J					0.00284 J						<0.0333
Dieldrin	2018-07	ug/L											0.00788 J					
Dieldrin	2018-10	ug/L											0.00526 J					
Dieldrin	2019-05	ug/L																
Dieldrin	2021-10	ug/L							<0.0337	<0.0337	<0.0337				<0.0337	<0.0337		
Dieldrin	2021-12	ug/L																
Dieldrin	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Dieldrin	2023-04	ug/L									<0.064							
Dieldrin	2024-04	ug/L										<0.064						
Diethylphthalate	2009-03	ug/L						<10	<10	<10								
Diethylphthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Diethylphthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Diethylphthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Diethylphthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
Diethylphthalate	2010-06	ug/L										<10.0						
Diethylphthalate	2010-08	ug/L										<10.0	<10.0					
Diethylphthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Diethylphthalate	2010-12	ug/L										<10.0						
Diethylphthalate	2011-03	ug/L											<10.0		<10.0			
Diethylphthalate	2011-06	ug/L											<10.0	<10.0	<10.0	<10.0	<10.0	
Diethylphthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Diethylphthalate	2011-12	ug/L												<10.0				<10.0
Diethylphthalate	2012-03	ug/L														<10.0	<10.0	
Diethylphthalate	2014-12	ug/L															<10.2	
Diethylphthalate	2016-10	ug/L							<10	<10	<10.9				<11.2	<11.1		
Diethylphthalate	2017-10	ug/L						5.31 J										
Diethylphthalate	2017-12	ug/L					<10.6					<10.4						5.03 J
Diethylphthalate	2018-07	ug/L											<10.4					
Diethylphthalate	2018-10	ug/L											<10.4					
Diethylphthalate	2019-05	ug/L																
Diethylphthalate	2021-10	ug/L							<10.5	<10.5	<10.2				<10.4	<10.5		
Diethylphthalate	2021-12	ug/L																
Diethylphthalate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Diethylphthalate	2024-04	ug/L											<10.6					
Dimethoate	2009-03	ug/L						<10	<10	<10								
Dimethoate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Dimethoate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dimethoate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dimethoate	2010-03	ug/L					<10.0				<10.0			<10.0				
Dimethoate	2010-06	ug/L										<10.0						
Dimethoate	2010-08	ug/L										<10.0	<10.0					
Dimethoate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Dimethoate	2010-12	ug/L										<10.0						
Dimethoate	2011-03	ug/L											<10.0		<10.0			
Dimethoate	2011-06	ug/L											<10.0	<10.0	<10.0	<10.0	<10.0	
Dimethoate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Dimethoate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Dimethoate	2012-03	ug/L														<10.0	<10.0	
Dimethoate	2014-12	ug/L															<10.2	
Dimethoate	2016-10	ug/L							<10	<10	<10.9				<11.2	<11.1		

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Dieldrin	2011-03	ug/L																
Dieldrin	2011-06	ug/L																
Dieldrin	2011-09	ug/L																
Dieldrin	2011-12	ug/L																
Dieldrin	2012-03	ug/L																
Dieldrin	2014-12	ug/L																
Dieldrin	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Dieldrin	2017-10	ug/L																
Dieldrin	2017-12	ug/L			<0.0333													
Dieldrin	2018-07	ug/L								<0.0323								
Dieldrin	2018-10	ug/L								<0.033								
Dieldrin	2019-05	ug/L		<0.0327														
Dieldrin	2021-10	ug/L																
Dieldrin	2021-12	ug/L	0.0224 J															
Dieldrin	2022-10	ug/L			<0.0542													
Dieldrin	2023-04	ug/L	<0.064															
Dieldrin	2024-04	ug/L		<0.064														
Diethylphthalate	2009-03	ug/L																
Diethylphthalate	2009-06	ug/L																
Diethylphthalate	2009-09	ug/L																
Diethylphthalate	2009-12	ug/L																
Diethylphthalate	2010-03	ug/L																
Diethylphthalate	2010-06	ug/L																
Diethylphthalate	2010-08	ug/L																
Diethylphthalate	2010-09	ug/L																
Diethylphthalate	2010-12	ug/L																
Diethylphthalate	2011-03	ug/L																
Diethylphthalate	2011-06	ug/L																
Diethylphthalate	2011-09	ug/L																
Diethylphthalate	2011-12	ug/L																
Diethylphthalate	2012-03	ug/L																
Diethylphthalate	2014-12	ug/L																
Diethylphthalate	2016-10	ug/L									<10.4					<10.3	<10.2	
Diethylphthalate	2017-10	ug/L																
Diethylphthalate	2017-12	ug/L			1.89 J													
Diethylphthalate	2018-07	ug/L								<10.1								
Diethylphthalate	2018-10	ug/L								<10.3								
Diethylphthalate	2019-05	ug/L		<10.1														
Diethylphthalate	2021-10	ug/L																
Diethylphthalate	2021-12	ug/L	<10.5															
Diethylphthalate	2022-10	ug/L			<8.77													
Diethylphthalate	2024-04	ug/L		<10.2														
Dimethoate	2009-03	ug/L																
Dimethoate	2009-06	ug/L																
Dimethoate	2009-09	ug/L																
Dimethoate	2009-12	ug/L																
Dimethoate	2010-03	ug/L																
Dimethoate	2010-06	ug/L																
Dimethoate	2010-08	ug/L																
Dimethoate	2010-09	ug/L																
Dimethoate	2010-12	ug/L																
Dimethoate	2011-03	ug/L																
Dimethoate	2011-06	ug/L																
Dimethoate	2011-09	ug/L																
Dimethoate	2011-12	ug/L																
Dimethoate	2012-03	ug/L																
Dimethoate	2014-12	ug/L																
Dimethoate	2016-10	ug/L									<10.4					<10.3	<10.2	

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Dimethoate	2017-10	ug/L						<10.5										
Dimethoate	2017-12	ug/L					<10.6					<10.4						<10.4
Dimethoate	2018-07	ug/L											<10.4					
Dimethoate	2018-10	ug/L											<10.4					
Dimethoate	2019-05	ug/L																
Dimethoate	2021-10	ug/L						<10.5	<10.5	<10.2					<10.4	<10.5		
Dimethoate	2021-12	ug/L																
Dimethoate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Dimethoate	2024-04	ug/L											<10.6					
Dimethylphthalate	2009-03	ug/L						<10	<10	<10								
Dimethylphthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Dimethylphthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dimethylphthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dimethylphthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
Dimethylphthalate	2010-06	ug/L										<10.0						
Dimethylphthalate	2010-08	ug/L										<10.0	<10.0					
Dimethylphthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Dimethylphthalate	2010-12	ug/L										<10.0						
Dimethylphthalate	2011-03	ug/L										<10.0		<10.0				
Dimethylphthalate	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Dimethylphthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Dimethylphthalate	2011-12	ug/L												<10.0	<10.0			
Dimethylphthalate	2012-03	ug/L													<10.0		<10.0	
Dimethylphthalate	2014-12	ug/L															<10.2	
Dimethylphthalate	2017-10	ug/L						<10.5										
Dimethylphthalate	2017-12	ug/L					<10.6					<10.4						<10.4
Dimethylphthalate	2018-07	ug/L											<10.4					
Dimethylphthalate	2018-10	ug/L											<10.4					
Dimethylphthalate	2019-05	ug/L																
Dimethylphthalate	2021-10	ug/L						<10.5	<10.5	<10.2					<10.4	<10.5		
Dimethylphthalate	2021-12	ug/L																
Dimethylphthalate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Dimethylphthalate	2024-04	ug/L											<10.6					
Di-n-butylphthalate	2009-03	ug/L						<10	<10	<10								
Di-n-butylphthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Di-n-butylphthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Di-n-butylphthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Di-n-butylphthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
Di-n-butylphthalate	2010-06	ug/L										<10.0						
Di-n-butylphthalate	2010-08	ug/L										<10.0	<10.0					
Di-n-butylphthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Di-n-butylphthalate	2010-12	ug/L										<10.0						
Di-n-butylphthalate	2011-03	ug/L											<10.0		<10.0			
Di-n-butylphthalate	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Di-n-butylphthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Di-n-butylphthalate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Di-n-butylphthalate	2012-03	ug/L													<10.0		<10.0	
Di-n-butylphthalate	2014-12	ug/L															<10.2	
Di-n-butylphthalate	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Di-n-butylphthalate	2017-10	ug/L						<10.5										
Di-n-butylphthalate	2017-12	ug/L					<b>0.972 J</b>					<b>0.968 J</b>						<b>0.953 J</b>
Di-n-butylphthalate	2018-07	ug/L											<10.4					
Di-n-butylphthalate	2018-10	ug/L											<10.4					
Di-n-butylphthalate	2019-05	ug/L																
Di-n-butylphthalate	2021-10	ug/L						<10.5	<b>1.38 J</b>	<10.2					<10.4	<10.5		
Di-n-butylphthalate	2021-12	ug/L																
Di-n-butylphthalate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Di-n-butylphthalate	2024-04	ug/L											<10.6					

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Dimethoate	2017-10	ug/L																
Dimethoate	2017-12	ug/L			<10.4													
Dimethoate	2018-07	ug/L								<10.1								
Dimethoate	2018-10	ug/L								<10.3								
Dimethoate	2019-05	ug/L		<10.1														
Dimethoate	2021-10	ug/L																
Dimethoate	2021-12	ug/L	<10.5															
Dimethoate	2022-10	ug/L			<8.77													
Dimethoate	2024-04	ug/L		<10.2														
Dimethylphthalate	2009-03	ug/L																
Dimethylphthalate	2009-06	ug/L																
Dimethylphthalate	2009-09	ug/L																
Dimethylphthalate	2009-12	ug/L																
Dimethylphthalate	2010-03	ug/L																
Dimethylphthalate	2010-06	ug/L																
Dimethylphthalate	2010-08	ug/L																
Dimethylphthalate	2010-09	ug/L																
Dimethylphthalate	2010-12	ug/L																
Dimethylphthalate	2011-03	ug/L																
Dimethylphthalate	2011-06	ug/L																
Dimethylphthalate	2011-09	ug/L																
Dimethylphthalate	2011-12	ug/L																
Dimethylphthalate	2012-03	ug/L																
Dimethylphthalate	2014-12	ug/L																
Dimethylphthalate	2017-10	ug/L																
Dimethylphthalate	2017-12	ug/L			<10.4													
Dimethylphthalate	2018-07	ug/L								<10.1								
Dimethylphthalate	2018-10	ug/L								<10.3								
Dimethylphthalate	2019-05	ug/L		<10.1														
Dimethylphthalate	2021-10	ug/L																
Dimethylphthalate	2021-12	ug/L	<10.5															
Dimethylphthalate	2022-10	ug/L			<8.77													
Dimethylphthalate	2024-04	ug/L		<10.2														
Di-n-butylphthalate	2009-03	ug/L																
Di-n-butylphthalate	2009-06	ug/L																
Di-n-butylphthalate	2009-09	ug/L																
Di-n-butylphthalate	2009-12	ug/L																
Di-n-butylphthalate	2010-03	ug/L																
Di-n-butylphthalate	2010-06	ug/L																
Di-n-butylphthalate	2010-08	ug/L																
Di-n-butylphthalate	2010-09	ug/L																
Di-n-butylphthalate	2010-12	ug/L																
Di-n-butylphthalate	2011-03	ug/L																
Di-n-butylphthalate	2011-06	ug/L																
Di-n-butylphthalate	2011-09	ug/L																
Di-n-butylphthalate	2011-12	ug/L																
Di-n-butylphthalate	2012-03	ug/L																
Di-n-butylphthalate	2014-12	ug/L																
Di-n-butylphthalate	2016-10	ug/L									<10.4					<10.3	<10.2	
Di-n-butylphthalate	2017-10	ug/L																
Di-n-butylphthalate	2017-12	ug/L			0.937 J													
Di-n-butylphthalate	2018-07	ug/L								<10.1								
Di-n-butylphthalate	2018-10	ug/L								<10.3								
Di-n-butylphthalate	2019-05	ug/L		<10.1														
Di-n-butylphthalate	2021-10	ug/L																
Di-n-butylphthalate	2021-12	ug/L	<10.5															
Di-n-butylphthalate	2022-10	ug/L			<8.77													
Di-n-butylphthalate	2024-04	ug/L		<10.2														

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Di-n-octylphthalate	2009-03	ug/L						<10	<10	<10								
Di-n-octylphthalate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Di-n-octylphthalate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Di-n-octylphthalate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Di-n-octylphthalate	2010-03	ug/L					<10.0				<10.0			<10.0				
Di-n-octylphthalate	2010-06	ug/L										<10.0						
Di-n-octylphthalate	2010-08	ug/L										<10.0	<10.0					
Di-n-octylphthalate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Di-n-octylphthalate	2010-12	ug/L										<10.0						
Di-n-octylphthalate	2011-03	ug/L											<10.0		<10.0			
Di-n-octylphthalate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Di-n-octylphthalate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Di-n-octylphthalate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Di-n-octylphthalate	2012-03	ug/L													<10.0	<10.0	<10.0	
Di-n-octylphthalate	2014-12	ug/L																<20.4
Di-n-octylphthalate	2016-10	ug/L							1.63 J	1.66 J	<21.7					1.86 J	1.77 J	
Di-n-octylphthalate	2017-10	ug/L						<21.1										
Di-n-octylphthalate	2017-12	ug/L					<21.3							<20.8				<20.8
Di-n-octylphthalate	2018-07	ug/L											<20.8					
Di-n-octylphthalate	2018-10	ug/L											<20.8					
Di-n-octylphthalate	2019-05	ug/L																
Di-n-octylphthalate	2021-10	ug/L							<21.1	<21.1	<20.4					<20.8	<21.1	
Di-n-octylphthalate	2021-12	ug/L																
Di-n-octylphthalate	2022-10	ug/L					<16.9	<16.9				8.58 J						<16.9
Di-n-octylphthalate	2024-04	ug/L											<21.3					
Dinoseb	2009-03	ug/L						<10	<10	<10								
Dinoseb	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Dinoseb	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dinoseb	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Dinoseb	2010-03	ug/L					<10.0				<10.0			<10.0				
Dinoseb	2010-06	ug/L										<10.0						
Dinoseb	2010-08	ug/L										<10.0	<10.0					
Dinoseb	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Dinoseb	2010-12	ug/L										<10.0						
Dinoseb	2011-03	ug/L											<10.0		<10.0			
Dinoseb	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Dinoseb	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Dinoseb	2011-12	ug/L													<10.0	<10.0	<10.0	
Dinoseb	2012-03	ug/L													<10.0	<10.0	<10.0	
Dinoseb	2014-12	ug/L																<10.2
Dinoseb	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Dinoseb	2017-10	ug/L						<10.5										
Dinoseb	2017-12	ug/L					<10.6					<10.4						<10.4
Dinoseb	2018-07	ug/L											<10.4					
Dinoseb	2018-10	ug/L											<10.4					
Dinoseb	2019-05	ug/L																
Dinoseb	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Dinoseb	2021-12	ug/L																
Dinoseb	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Dinoseb	2024-04	ug/L											<10.6					
Diphenylamine	2009-03	ug/L						<10	<10	<10								
Diphenylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Diphenylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Diphenylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Diphenylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
Diphenylamine	2010-06	ug/L										<10.0						
Diphenylamine	2010-08	ug/L										<10.0	<10.0					
Diphenylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Di-n-octylphthalate	2009-03	ug/L																
Di-n-octylphthalate	2009-06	ug/L																
Di-n-octylphthalate	2009-09	ug/L																
Di-n-octylphthalate	2009-12	ug/L																
Di-n-octylphthalate	2010-03	ug/L																
Di-n-octylphthalate	2010-06	ug/L																
Di-n-octylphthalate	2010-08	ug/L																
Di-n-octylphthalate	2010-09	ug/L																
Di-n-octylphthalate	2010-12	ug/L																
Di-n-octylphthalate	2011-03	ug/L																
Di-n-octylphthalate	2011-06	ug/L																
Di-n-octylphthalate	2011-09	ug/L																
Di-n-octylphthalate	2011-12	ug/L																
Di-n-octylphthalate	2012-03	ug/L																
Di-n-octylphthalate	2014-12	ug/L																
Di-n-octylphthalate	2016-10	ug/L									1.66 J					1.64 J	1.64 J	
Di-n-octylphthalate	2017-10	ug/L																
Di-n-octylphthalate	2017-12	ug/L			<20.8													
Di-n-octylphthalate	2018-07	ug/L								<20.2								
Di-n-octylphthalate	2018-10	ug/L								<20.6								
Di-n-octylphthalate	2019-05	ug/L		<20.2														
Di-n-octylphthalate	2021-10	ug/L																
Di-n-octylphthalate	2021-12	ug/L	<21.1															
Di-n-octylphthalate	2022-10	ug/L			<17.5													
Di-n-octylphthalate	2024-04	ug/L		<20.4														
Dinoseb	2009-03	ug/L																
Dinoseb	2009-06	ug/L																
Dinoseb	2009-09	ug/L																
Dinoseb	2009-12	ug/L																
Dinoseb	2010-03	ug/L																
Dinoseb	2010-06	ug/L																
Dinoseb	2010-08	ug/L																
Dinoseb	2010-09	ug/L																
Dinoseb	2010-12	ug/L																
Dinoseb	2011-03	ug/L																
Dinoseb	2011-06	ug/L																
Dinoseb	2011-09	ug/L																
Dinoseb	2011-12	ug/L																
Dinoseb	2012-03	ug/L																
Dinoseb	2014-12	ug/L																
Dinoseb	2016-10	ug/L									<10.4					<10.3	<10.2	
Dinoseb	2017-10	ug/L																
Dinoseb	2017-12	ug/L			<10.4													
Dinoseb	2018-07	ug/L								<10.1								
Dinoseb	2018-10	ug/L								<10.3								
Dinoseb	2019-05	ug/L		<10.1														
Dinoseb	2021-10	ug/L																
Dinoseb	2021-12	ug/L	<10.5															
Dinoseb	2022-10	ug/L			<8.77													
Dinoseb	2024-04	ug/L		<10.2														
Diphenylamine	2009-03	ug/L																
Diphenylamine	2009-06	ug/L																
Diphenylamine	2009-09	ug/L																
Diphenylamine	2009-12	ug/L																
Diphenylamine	2010-03	ug/L																
Diphenylamine	2010-06	ug/L																
Diphenylamine	2010-08	ug/L																
Diphenylamine	2010-09	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Diphenylamine	2010-12	ug/L										<10.0						
Diphenylamine	2011-03	ug/L											<10.0		<10.0			
Diphenylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Diphenylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Diphenylamine	2011-12	ug/L													<10.0	<10.0	<10.0	
Diphenylamine	2012-03	ug/L														<10.0	<10.0	
Diphenylamine	2014-12	ug/L															<10.2	
Diphenylamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Diphenylamine	2017-10	ug/L						<10.5										
Diphenylamine	2017-12	ug/L					<10.6					<10.4						<10.4
Diphenylamine	2018-07	ug/L											<10.4					
Diphenylamine	2018-10	ug/L											<10.4					
Diphenylamine	2019-05	ug/L																
Diphenylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Diphenylamine	2021-12	ug/L																
Diphenylamine	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Diphenylamine	2024-04	ug/L											<10.6					
Disulfoton	2009-03	ug/L						<70	<70	<70								
Disulfoton	2009-06	ug/L					<70.0	<70	<70	<70.0	<70			<70.0				
Disulfoton	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0			
Disulfoton	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Disulfoton	2010-03	ug/L					<10.0				<10.0			<10.0				
Disulfoton	2010-06	ug/L										<10.0						
Disulfoton	2010-08	ug/L										<10.0	<10.0					
Disulfoton	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Disulfoton	2010-12	ug/L										<10.0						
Disulfoton	2011-03	ug/L											<10.0		<10.0			
Disulfoton	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Disulfoton	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Disulfoton	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Disulfoton	2012-03	ug/L													<10.0	<10.0	<10.0	
Disulfoton	2014-12	ug/L															<10.2	
Disulfoton	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Disulfoton	2017-10	ug/L						<10.5										
Disulfoton	2017-12	ug/L					<10.6					<10.4						<10.4
Disulfoton	2018-07	ug/L											<10.4					
Disulfoton	2018-10	ug/L											<10.4					
Disulfoton	2019-05	ug/L																
Disulfoton	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Disulfoton	2021-12	ug/L																
Disulfoton	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Disulfoton	2024-04	ug/L											<10.6					
Endosulfan I	2009-03	ug/L						<0.032	<0.032	<0.032								
Endosulfan I	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Endosulfan I	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan I	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan I	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Endosulfan I	2010-06	ug/L										<0.0320						
Endosulfan I	2010-08	ug/L										<0.0320	<0.0320					
Endosulfan I	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<b>0.102</b>	<0.0320	<0.0320	<0.0320	<0.0320				
Endosulfan I	2010-12	ug/L										<0.0320						
Endosulfan I	2011-03	ug/L						<0.0320	<0.0320	<b>0.0588</b>	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Endosulfan I	2011-06	ug/L										<0.0320	<0.0320	<0.0320	<0.0320	<0.0392	<0.0320	
Endosulfan I	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<b>0.0718</b>	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan I	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan I	2012-03	ug/L								<0.0320					<0.0320	<0.0320		
Endosulfan I	2012-10	ug/L								<0.0320								
Endosulfan I	2013-03	ug/L								<b>0.0660</b>								

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Diphenylamine	2010-12	ug/L																
Diphenylamine	2011-03	ug/L																
Diphenylamine	2011-06	ug/L																
Diphenylamine	2011-09	ug/L																
Diphenylamine	2011-12	ug/L																
Diphenylamine	2012-03	ug/L																
Diphenylamine	2014-12	ug/L																
Diphenylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
Diphenylamine	2017-10	ug/L																
Diphenylamine	2017-12	ug/L			<10.4													
Diphenylamine	2018-07	ug/L								<10.1								
Diphenylamine	2018-10	ug/L								<10.3								
Diphenylamine	2019-05	ug/L		<10.1														
Diphenylamine	2021-10	ug/L																
Diphenylamine	2021-12	ug/L	<10.5															
Diphenylamine	2022-10	ug/L			<8.77													
Diphenylamine	2024-04	ug/L		<10.2														
Disulfoton	2009-03	ug/L																
Disulfoton	2009-06	ug/L																
Disulfoton	2009-09	ug/L																
Disulfoton	2009-12	ug/L																
Disulfoton	2010-03	ug/L																
Disulfoton	2010-06	ug/L																
Disulfoton	2010-08	ug/L																
Disulfoton	2010-09	ug/L																
Disulfoton	2010-12	ug/L																
Disulfoton	2011-03	ug/L																
Disulfoton	2011-06	ug/L																
Disulfoton	2011-09	ug/L																
Disulfoton	2011-12	ug/L																
Disulfoton	2012-03	ug/L																
Disulfoton	2014-12	ug/L																
Disulfoton	2016-10	ug/L									<10.4					<10.3	<10.2	
Disulfoton	2017-10	ug/L																
Disulfoton	2017-12	ug/L			<10.4													
Disulfoton	2018-07	ug/L								<10.1								
Disulfoton	2018-10	ug/L								<10.3								
Disulfoton	2019-05	ug/L		<10.1														
Disulfoton	2021-10	ug/L																
Disulfoton	2021-12	ug/L	<10.5															
Disulfoton	2022-10	ug/L			<8.77													
Disulfoton	2024-04	ug/L		<10.2														
Endosulfan I	2009-03	ug/L																
Endosulfan I	2009-06	ug/L																
Endosulfan I	2009-09	ug/L																
Endosulfan I	2009-12	ug/L																
Endosulfan I	2010-03	ug/L																
Endosulfan I	2010-06	ug/L																
Endosulfan I	2010-08	ug/L																
Endosulfan I	2010-09	ug/L																
Endosulfan I	2010-12	ug/L																
Endosulfan I	2011-03	ug/L																
Endosulfan I	2011-06	ug/L																
Endosulfan I	2011-09	ug/L																
Endosulfan I	2011-12	ug/L																
Endosulfan I	2012-03	ug/L																
Endosulfan I	2012-10	ug/L																
Endosulfan I	2013-03	ug/L									<0.0330							



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Endosulfan I	2013-09	ug/L								0.114								
Endosulfan I	2014-03	ug/L								<0.0327								
Endosulfan I	2014-09	ug/L								0.129								
Endosulfan I	2014-12	ug/L															<0.0352	
Endosulfan I	2015-04	ug/L								0.064								
Endosulfan I	2015-10	ug/L								0.0494								
Endosulfan I	2016-04	ug/L								<0.0364								
Endosulfan I	2016-10	ug/L						<0.033		0.0613	<0.0344					<0.033	<0.033	
Endosulfan I	2017-03	ug/L								0.059								
Endosulfan I	2017-10	ug/L						<0.0333		<0.0337								
Endosulfan I	2017-12	ug/L					<0.0333					<0.0333						<0.0333
Endosulfan I	2018-04	ug/L								0.0265 J								
Endosulfan I	2018-07	ug/L											<0.0333					
Endosulfan I	2018-10	ug/L								0.0545			0.00429 J					
Endosulfan I	2019-03	ug/L								<0.0323								
Endosulfan I	2019-05	ug/L																
Endosulfan I	2019-10	ug/L								<0.0328								
Endosulfan I	2020-03	ug/L								0.0332								
Endosulfan I	2020-09	ug/L								0.0781								
Endosulfan I	2021-03	ug/L								<0.0337								
Endosulfan I	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Endosulfan I	2021-12	ug/L																
Endosulfan I	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Endosulfan I	2023-04	ug/L									<0.064							
Endosulfan I	2024-04	ug/L											<0.064					
Endosulfan II	2009-03	ug/L						<0.032	<0.032	<0.032	<0.032							
Endosulfan II	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Endosulfan II	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan II	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan II	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Endosulfan II	2010-06	ug/L										<0.0320						
Endosulfan II	2010-08	ug/L										<0.0320	<0.0320					
Endosulfan II	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Endosulfan II	2010-12	ug/L										<0.0320						
Endosulfan II	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Endosulfan II	2011-06	ug/L										<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan II	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan II	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan II	2012-03	ug/L													<0.0320	<0.0320	<0.0320	
Endosulfan II	2014-12	ug/L																0.00418
Endosulfan II	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
Endosulfan II	2017-10	ug/L						<0.0333										
Endosulfan II	2017-12	ug/L					0.0105 J					<0.0333						0.0027 J
Endosulfan II	2018-07	ug/L											<0.0333					
Endosulfan II	2018-10	ug/L											<0.033					
Endosulfan II	2019-05	ug/L																
Endosulfan II	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Endosulfan II	2021-12	ug/L																
Endosulfan II	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Endosulfan II	2023-04	ug/L									<0.064							
Endosulfan II	2024-04	ug/L											<0.064					
Endosulfan Sulfate	2009-03	ug/L						<0.032	<0.032	<0.032	<0.032					<0.0320		
Endosulfan Sulfate	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Endosulfan Sulfate	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan Sulfate	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endosulfan Sulfate	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Endosulfan Sulfate	2010-06	ug/L										<0.0320						
Endosulfan Sulfate	2010-08	ug/L										<0.0320	<0.0320					

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Endosulfan I	2013-09	ug/L									0.00530							
Endosulfan I	2014-03	ug/L									<0.0344							
Endosulfan I	2014-09	ug/L									<0.032							
Endosulfan I	2014-12	ug/L																
Endosulfan I	2015-04	ug/L									< 0.033							
Endosulfan I	2015-10	ug/L									<0.032					<0.032	<0.032	
Endosulfan I	2016-04	ug/L									<0.0348					<0.0344	<0.036	
Endosulfan I	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Endosulfan I	2017-03	ug/L									0.00226 J					<0.0323	<0.032	
Endosulfan I	2017-10	ug/L									<0.0333					0.00483 J	<0.0327	
Endosulfan I	2017-12	ug/L			<0.0333													
Endosulfan I	2018-04	ug/L																
Endosulfan I	2018-07	ug/L								<0.0323								
Endosulfan I	2018-10	ug/L								<0.033								
Endosulfan I	2019-03	ug/L																
Endosulfan I	2019-05	ug/L		<0.0327														
Endosulfan I	2019-10	ug/L																
Endosulfan I	2020-03	ug/L																
Endosulfan I	2020-09	ug/L																
Endosulfan I	2021-03	ug/L																
Endosulfan I	2021-10	ug/L																
Endosulfan I	2021-12	ug/L	<0.0337															
Endosulfan I	2022-10	ug/L			<0.0542													
Endosulfan I	2023-04	ug/L	<0.064															
Endosulfan I	2024-04	ug/L		<0.064														
Endosulfan II	2009-03	ug/L																
Endosulfan II	2009-06	ug/L																
Endosulfan II	2009-09	ug/L																
Endosulfan II	2009-12	ug/L																
Endosulfan II	2010-03	ug/L																
Endosulfan II	2010-06	ug/L																
Endosulfan II	2010-08	ug/L																
Endosulfan II	2010-09	ug/L																
Endosulfan II	2010-12	ug/L																
Endosulfan II	2011-03	ug/L																
Endosulfan II	2011-06	ug/L																
Endosulfan II	2011-09	ug/L																
Endosulfan II	2011-12	ug/L																
Endosulfan II	2012-03	ug/L																
Endosulfan II	2014-12	ug/L																
Endosulfan II	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Endosulfan II	2017-10	ug/L																
Endosulfan II	2017-12	ug/L			<0.0333													
Endosulfan II	2018-07	ug/L								<0.0323								
Endosulfan II	2018-10	ug/L								<0.033								
Endosulfan II	2019-05	ug/L		<0.0327														
Endosulfan II	2021-10	ug/L																
Endosulfan II	2021-12	ug/L	<0.0337															
Endosulfan II	2022-10	ug/L			<0.0542													
Endosulfan II	2023-04	ug/L	<0.064															
Endosulfan II	2024-04	ug/L		<0.064														
Endosulfan Sulfate	2009-03	ug/L																
Endosulfan Sulfate	2009-06	ug/L																
Endosulfan Sulfate	2009-09	ug/L																
Endosulfan Sulfate	2009-12	ug/L																
Endosulfan Sulfate	2010-03	ug/L																
Endosulfan Sulfate	2010-06	ug/L																
Endosulfan Sulfate	2010-08	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Endosulfan Sulfate	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Endosulfan Sulfate	2010-12	ug/L										<0.0320						
Endosulfan Sulfate	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Endosulfan Sulfate	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
Endosulfan Sulfate	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endosulfan Sulfate	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
Endosulfan Sulfate	2012-03	ug/L														<0.0320	<0.0320	
Endosulfan Sulfate	2014-12	ug/L																<0.0352
Endosulfan Sulfate	2016-10	ug/L							<0.033	<b>0.00825 J</b>	<0.0344					<0.033	<0.033	
Endosulfan Sulfate	2017-10	ug/L						<0.0333										
Endosulfan Sulfate	2017-12	ug/L					<0.0333					<0.0333						<b>0.00829 J</b>
Endosulfan Sulfate	2018-07	ug/L											<0.0333					
Endosulfan Sulfate	2018-10	ug/L											<b>0.00941 J</b>					
Endosulfan Sulfate	2019-05	ug/L																
Endosulfan Sulfate	2021-10	ug/L						<0.0337	<0.0337	<0.0337					<0.0337	<0.0337		
Endosulfan Sulfate	2021-12	ug/L																
Endosulfan Sulfate	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Endosulfan Sulfate	2023-04	ug/L									<0.064							
Endosulfan Sulfate	2024-04	ug/L											<0.064					
Endrin	2009-03	ug/L						<0.032	<0.032	<0.032								
Endrin	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Endrin	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endrin	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endrin	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Endrin	2010-06	ug/L										<0.0320						
Endrin	2010-08	ug/L										<0.0320	<0.0320					
Endrin	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Endrin	2010-12	ug/L										<0.0320						
Endrin	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	
Endrin	2011-06	ug/L										<0.0320			<0.0320	<0.0392	<0.0320	
Endrin	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endrin	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
Endrin	2012-03	ug/L													<0.0320	<0.0320	<0.0320	
Endrin	2014-12	ug/L																<0.0352
Endrin	2016-10	ug/L						<0.033	<0.032	<0.0344						<0.033	<0.033	
Endrin	2017-10	ug/L						<b>0.00778 J</b>										
Endrin	2017-12	ug/L					<0.0333						<b>0.0239 J</b>					<0.0333
Endrin	2018-07	ug/L												<b>0.0212 J</b>				
Endrin	2018-10	ug/L												<b>0.0102 J</b>				
Endrin	2019-05	ug/L																
Endrin	2021-10	ug/L						<0.0337	<0.0337	<0.0337					<0.0337	<0.0337		
Endrin	2021-12	ug/L																
Endrin	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Endrin	2023-04	ug/L									<0.064							
Endrin	2024-04	ug/L											<0.064					
Endrin Aldehyde	2009-03	ug/L						<0.032	<0.032	<0.032								
Endrin Aldehyde	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Endrin Aldehyde	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endrin Aldehyde	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Endrin Aldehyde	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Endrin Aldehyde	2010-06	ug/L										<0.0320						
Endrin Aldehyde	2010-08	ug/L										<0.0320	<0.0320					
Endrin Aldehyde	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Endrin Aldehyde	2010-12	ug/L											<b>0.0644</b>					
Endrin Aldehyde	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	
Endrin Aldehyde	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
Endrin Aldehyde	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Endrin Aldehyde	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Endosulfan Sulfate	2010-09	ug/L																
Endosulfan Sulfate	2010-12	ug/L																
Endosulfan Sulfate	2011-03	ug/L																
Endosulfan Sulfate	2011-06	ug/L																
Endosulfan Sulfate	2011-09	ug/L																
Endosulfan Sulfate	2011-12	ug/L																
Endosulfan Sulfate	2012-03	ug/L																
Endosulfan Sulfate	2014-12	ug/L																
Endosulfan Sulfate	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Endosulfan Sulfate	2017-10	ug/L																
Endosulfan Sulfate	2017-12	ug/L			<0.0333													
Endosulfan Sulfate	2018-07	ug/L								<0.0323								
Endosulfan Sulfate	2018-10	ug/L								<0.033								
Endosulfan Sulfate	2019-05	ug/L		<0.0327														
Endosulfan Sulfate	2021-10	ug/L																
Endosulfan Sulfate	2021-12	ug/L	<0.0337															
Endosulfan Sulfate	2022-10	ug/L			<0.0542													
Endosulfan Sulfate	2023-04	ug/L	<0.064															
Endosulfan Sulfate	2024-04	ug/L		<0.064														
Endrin	2009-03	ug/L																
Endrin	2009-06	ug/L																
Endrin	2009-09	ug/L																
Endrin	2009-12	ug/L																
Endrin	2010-03	ug/L																
Endrin	2010-06	ug/L																
Endrin	2010-08	ug/L																
Endrin	2010-09	ug/L																
Endrin	2010-12	ug/L																
Endrin	2011-03	ug/L																
Endrin	2011-06	ug/L																
Endrin	2011-09	ug/L																
Endrin	2011-12	ug/L																
Endrin	2012-03	ug/L																
Endrin	2014-12	ug/L																
Endrin	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Endrin	2017-10	ug/L																
Endrin	2017-12	ug/L			<0.0333													
Endrin	2018-07	ug/L								<0.0323								
Endrin	2018-10	ug/L								<0.033								
Endrin	2019-05	ug/L		<0.0327														
Endrin	2021-10	ug/L																
Endrin	2021-12	ug/L	<0.0337															
Endrin	2022-10	ug/L			<0.0542													
Endrin	2023-04	ug/L	<0.064															
Endrin	2024-04	ug/L		<0.064														
Endrin Aldehyde	2009-03	ug/L																
Endrin Aldehyde	2009-06	ug/L																
Endrin Aldehyde	2009-09	ug/L																
Endrin Aldehyde	2009-12	ug/L																
Endrin Aldehyde	2010-03	ug/L																
Endrin Aldehyde	2010-06	ug/L																
Endrin Aldehyde	2010-08	ug/L																
Endrin Aldehyde	2010-09	ug/L																
Endrin Aldehyde	2010-12	ug/L																
Endrin Aldehyde	2011-03	ug/L																
Endrin Aldehyde	2011-06	ug/L																
Endrin Aldehyde	2011-09	ug/L																
Endrin Aldehyde	2011-12	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Endrin Aldehyde	2012-03	ug/L														<0.0320	<0.0320	
Endrin Aldehyde	2014-12	ug/L															<0.0352	
Endrin Aldehyde	2016-10	ug/L						<0.033	<0.033	<0.032	<0.0344					<0.033	<0.033	
Endrin Aldehyde	2017-10	ug/L																
Endrin Aldehyde	2017-12	ug/L					0.0324 J					0.0116 J						0.0235 J
Endrin Aldehyde	2018-07	ug/L											<0.0333					
Endrin Aldehyde	2018-10	ug/L											<0.033					
Endrin Aldehyde	2019-05	ug/L																
Endrin Aldehyde	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Endrin Aldehyde	2021-12	ug/L																
Endrin Aldehyde	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Endrin Aldehyde	2023-04	ug/L									<0.064							
Endrin Aldehyde	2024-04	ug/L											<0.064					
Ethyl Methacrylate	2009-03	ug/L						<2	<2	<2								
Ethyl Methacrylate	2009-06	ug/L					<10.0	<2	<2	<2.00	<2			<2.00				
Ethyl Methacrylate	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Ethyl Methacrylate	2009-12	ug/L					<10.0	<10.0	<10.0	<2.00	<2.00			<2.00				
Ethyl Methacrylate	2010-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Ethyl Methacrylate	2010-06	ug/L										<4.00						
Ethyl Methacrylate	2010-08	ug/L										<20.0	<20.0					
Ethyl Methacrylate	2010-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0				
Ethyl Methacrylate	2010-12	ug/L										<5.00						
Ethyl Methacrylate	2011-03	ug/L					<4.00	<2.00	<2.00	<40.0	<2.00	<2.00	<2.00	<2.00	<2.00			
Ethyl Methacrylate	2011-04	ug/L					<2.00		<2.00	<20.0	<2.00							<2.00
Ethyl Methacrylate	2011-06	ug/L											<2.00	<2.00	<2.00	<2.00	<2.00	
Ethyl Methacrylate	2011-09	ug/L					<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	
Ethyl Methacrylate	2011-12	ug/L												<2.00	<2.00	<2.00	<2.00	
Ethyl Methacrylate	2012-03	ug/L												<2.00		<2.00	<2.00	
Ethyl Methacrylate	2014-12	ug/L															<2.00	
Ethyl Methacrylate	2016-10	ug/L						<2	<2	<2						<2	<2	
Ethyl Methacrylate	2017-10	ug/L						<2										
Ethyl Methacrylate	2017-12	ug/L					<2					<2						<2
Ethyl Methacrylate	2018-07	ug/L											<2					
Ethyl Methacrylate	2018-10	ug/L																
Ethyl Methacrylate	2019-05	ug/L																
Ethyl Methacrylate	2021-10	ug/L						<2	<2	<2						<2	<2	
Ethyl Methacrylate	2021-12	ug/L																
Ethyl Methacrylate	2022-10	ug/L					<2	<2				<2						<2
Ethyl Methacrylate	2024-04	ug/L											<2					
Ethyl Methanesulfonate	2009-03	ug/L						<10	<10	<10								
Ethyl Methanesulfonate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Ethyl Methanesulfonate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Ethyl Methanesulfonate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Ethyl Methanesulfonate	2010-03	ug/L					<10.0				<10.0			<10.0				
Ethyl Methanesulfonate	2010-06	ug/L										<10.0						
Ethyl Methanesulfonate	2010-08	ug/L										<10.0	<10.0					
Ethyl Methanesulfonate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Ethyl Methanesulfonate	2010-12	ug/L										<10.0						
Ethyl Methanesulfonate	2011-03	ug/L										<10.0		<10.0				
Ethyl Methanesulfonate	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Ethyl Methanesulfonate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Ethyl Methanesulfonate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Ethyl Methanesulfonate	2012-03	ug/L													<10.0	<10.0	<10.0	
Ethyl Methanesulfonate	2014-12	ug/L															<10.2	
Ethyl Methanesulfonate	2016-10	ug/L						<10	<10	<10	<10.9					<11.2	<11.1	
Ethyl Methanesulfonate	2017-10	ug/L						<10.5										
Ethyl Methanesulfonate	2017-12	ug/L					<10.6					<10.4						<10.4
Ethyl Methanesulfonate	2018-07	ug/L											<10.4					

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Endrin Aldehyde	2012-03	ug/L																
Endrin Aldehyde	2014-12	ug/L																
Endrin Aldehyde	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Endrin Aldehyde	2017-10	ug/L																
Endrin Aldehyde	2017-12	ug/L			0.024 J													
Endrin Aldehyde	2018-07	ug/L								<0.0323								
Endrin Aldehyde	2018-10	ug/L								<0.033								
Endrin Aldehyde	2019-05	ug/L		<0.0327														
Endrin Aldehyde	2021-10	ug/L																
Endrin Aldehyde	2021-12	ug/L	<0.0337															
Endrin Aldehyde	2022-10	ug/L			<0.0542													
Endrin Aldehyde	2023-04	ug/L	<0.064															
Endrin Aldehyde	2024-04	ug/L		<0.064														
Ethyl Methacrylate	2009-03	ug/L																
Ethyl Methacrylate	2009-06	ug/L																
Ethyl Methacrylate	2009-09	ug/L																
Ethyl Methacrylate	2009-12	ug/L																
Ethyl Methacrylate	2010-03	ug/L																
Ethyl Methacrylate	2010-06	ug/L																
Ethyl Methacrylate	2010-08	ug/L																
Ethyl Methacrylate	2010-09	ug/L																
Ethyl Methacrylate	2010-12	ug/L																
Ethyl Methacrylate	2011-03	ug/L																
Ethyl Methacrylate	2011-04	ug/L																
Ethyl Methacrylate	2011-06	ug/L																
Ethyl Methacrylate	2011-09	ug/L																
Ethyl Methacrylate	2011-12	ug/L																
Ethyl Methacrylate	2012-03	ug/L																
Ethyl Methacrylate	2014-12	ug/L																
Ethyl Methacrylate	2016-10	ug/L									<2					<2	<2	
Ethyl Methacrylate	2017-10	ug/L																
Ethyl Methacrylate	2017-12	ug/L			<2													
Ethyl Methacrylate	2018-07	ug/L								<2								
Ethyl Methacrylate	2018-10	ug/L								<2								
Ethyl Methacrylate	2019-05	ug/L		<2														
Ethyl Methacrylate	2021-10	ug/L																
Ethyl Methacrylate	2021-12	ug/L	<2															
Ethyl Methacrylate	2022-10	ug/L			<2													
Ethyl Methacrylate	2024-04	ug/L		<2														
Ethyl Methanesulfonate	2009-03	ug/L																
Ethyl Methanesulfonate	2009-06	ug/L																
Ethyl Methanesulfonate	2009-09	ug/L																
Ethyl Methanesulfonate	2009-12	ug/L																
Ethyl Methanesulfonate	2010-03	ug/L																
Ethyl Methanesulfonate	2010-06	ug/L																
Ethyl Methanesulfonate	2010-08	ug/L																
Ethyl Methanesulfonate	2010-09	ug/L																
Ethyl Methanesulfonate	2010-12	ug/L																
Ethyl Methanesulfonate	2011-03	ug/L																
Ethyl Methanesulfonate	2011-06	ug/L																
Ethyl Methanesulfonate	2011-09	ug/L																
Ethyl Methanesulfonate	2011-12	ug/L																
Ethyl Methanesulfonate	2012-03	ug/L																
Ethyl Methanesulfonate	2014-12	ug/L																
Ethyl Methanesulfonate	2016-10	ug/L									<10.4					<10.3	<10.2	
Ethyl Methanesulfonate	2017-10	ug/L																
Ethyl Methanesulfonate	2017-12	ug/L			<10.4													
Ethyl Methanesulfonate	2018-07	ug/L								<10.1								

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Ethyl Methanesulfonate	2018-10	ug/L											<10.4					
Ethyl Methanesulfonate	2019-05	ug/L																
Ethyl Methanesulfonate	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Ethyl Methanesulfonate	2021-12	ug/L																
Ethyl Methanesulfonate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Ethyl Methanesulfonate	2024-04	ug/L											<10.6					
Ethylbenzene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Ethylbenzene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Ethylbenzene	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethylbenzene	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethylbenzene	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethylbenzene	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Ethylbenzene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1	<1	<1	<1	<1.00			
Ethylbenzene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Ethylbenzene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Ethylbenzene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Ethylbenzene	2010-06	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2010-08	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2010-12	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
Ethylbenzene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Ethylbenzene	2011-07	ug/L	<1.00															
Ethylbenzene	2011-08	ug/L		<1.00														
Ethylbenzene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
Ethylbenzene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2012-06	ug/L																
Ethylbenzene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2013-06	ug/L																
Ethylbenzene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2013-11	ug/L																
Ethylbenzene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	2014-06	ug/L																
Ethylbenzene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Ethylbenzene	2014-12	ug/L															<1.00	
Ethylbenzene	2015-04	ug/L	<1.00	<1			<1	<1.00	<1	<1	<1	<1.00	<1.00			<1.00	<1	<1
Ethylbenzene	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<b>0.264 J</b>			<1	<1	<1
Ethylbenzene	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2017-12	ug/L					<1					<1						<1
Ethylbenzene	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2018-07	ug/L										<1						
Ethylbenzene	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2019-01	ug/L																
Ethylbenzene	2019-03	ug/L	<1	<1			<1	<1	<1	<0.0323	<1	<1	<1			<1	<1	<1
Ethylbenzene	2019-05	ug/L																
Ethylbenzene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Ethylbenzene	2021-05	ug/L																
Ethylbenzene	2021-08	ug/L																
Ethylbenzene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Ethyl Methanesulfonate	2018-10	ug/L								<10.3								
Ethyl Methanesulfonate	2019-05	ug/L		<10.1														
Ethyl Methanesulfonate	2021-10	ug/L																
Ethyl Methanesulfonate	2021-12	ug/L	<10.5															
Ethyl Methanesulfonate	2022-10	ug/L			<8.77													
Ethyl Methanesulfonate	2024-04	ug/L		<10.2														
Ethylbenzene	2008-01	ug/L																
Ethylbenzene	2008-03	ug/L																
Ethylbenzene	2008-08	ug/L																
Ethylbenzene	2008-09	ug/L																
Ethylbenzene	2008-10	ug/L																
Ethylbenzene	2009-03	ug/L																
Ethylbenzene	2009-06	ug/L																
Ethylbenzene	2009-09	ug/L																
Ethylbenzene	2009-12	ug/L																
Ethylbenzene	2010-03	ug/L																
Ethylbenzene	2010-06	ug/L	<1.00	<1.00														
Ethylbenzene	2010-08	ug/L	<1.00	<1.00														
Ethylbenzene	2010-09	ug/L	<1.00	<1.00														
Ethylbenzene	2010-12	ug/L	<1.00	<1.00														
Ethylbenzene	2011-03	ug/L	<1.00	<1.00														
Ethylbenzene	2011-04	ug/L																
Ethylbenzene	2011-06	ug/L																
Ethylbenzene	2011-07	ug/L																
Ethylbenzene	2011-08	ug/L																
Ethylbenzene	2011-09	ug/L	<1.00	<1.00														
Ethylbenzene	2011-12	ug/L																
Ethylbenzene	2012-03	ug/L	<1.00	<1.00														
Ethylbenzene	2012-06	ug/L								<1.00	<1.00			<1.00		<1.00	<1.00	
Ethylbenzene	2012-10	ug/L																
Ethylbenzene	2013-03	ug/L	<1.00							<1.00								
Ethylbenzene	2013-06	ug/L			<1.00													
Ethylbenzene	2013-09	ug/L	<1.00	<1.00	<1.00					<1.00								
Ethylbenzene	2013-11	ug/L			<1.00													
Ethylbenzene	2014-03	ug/L	<1.00		<1.00					<1.00								
Ethylbenzene	2014-06	ug/L		<1.00	<1.00													
Ethylbenzene	2014-09	ug/L	<1	<1	<1					<1								
Ethylbenzene	2014-12	ug/L																
Ethylbenzene	2015-04	ug/L	<1.00	<1.00	<1.00					<1								
Ethylbenzene	2015-10	ug/L	<1	<1	<1					<1						<1	<1	
Ethylbenzene	2016-04	ug/L	<1	<1	<1					<1						<1	<1	
Ethylbenzene	2016-10	ug/L	<1	<1	<1					<1						<1	<1	
Ethylbenzene	2017-03	ug/L	0.312 J	<1	<1					<1						<1	<1	
Ethylbenzene	2017-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2017-12	ug/L			<1													
Ethylbenzene	2018-04	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2018-07	ug/L								<1								
Ethylbenzene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2019-01	ug/L								<1								
Ethylbenzene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2019-05	ug/L		<1						<1								
Ethylbenzene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Ethylbenzene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Ethylbenzene	2021-05	ug/L	<1															
Ethylbenzene	2021-08	ug/L						<1	<1									
Ethylbenzene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							



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**Table 19**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Ethylbenzene	2021-12	ug/L																
Ethylbenzene	2022-02	ug/L	<1		<1	<1												
Ethylbenzene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2022-07	ug/L			<1	<1												
Ethylbenzene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2023-05	ug/L			<1													
Ethylbenzene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Famphur	2009-03	ug/L						<20	<20	<20								
Famphur	2009-06	ug/L					<20.0	<20	<20	<20.0	<20			<20.0				
Famphur	2009-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0			<20.0				
Famphur	2009-12	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0			<20.0				
Famphur	2010-03	ug/L					<20.0				<20.0			<20.0				
Famphur	2010-06	ug/L										<20.0						
Famphur	2010-08	ug/L										<20.0	<20.0					
Famphur	2010-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0				
Famphur	2010-12	ug/L										<20.0						
Famphur	2011-03	ug/L											<20.0		<20.0			
Famphur	2011-06	ug/L											<20.0		<20.0	<20.0	<20.0	
Famphur	2011-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		<20.0	<20.0	<20.0	<20.0	
Famphur	2011-12	ug/L													<20.0	<20.0	<20.0	
Famphur	2012-03	ug/L														<20.0	<20.0	
Famphur	2014-12	ug/L															<20.4	
Famphur	2016-10	ug/L							<20	<20	<21.7					<22.5	<22.2	
Famphur	2017-10	ug/L						<21.1										
Famphur	2017-12	ug/L					<21.3					<20.8						<20.8
Famphur	2018-07	ug/L											<10.4					
Famphur	2018-10	ug/L											<10.4					
Famphur	2019-05	ug/L																
Famphur	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Famphur	2021-12	ug/L																
Famphur	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Famphur	2024-04	ug/L											<10.6					
Fluoranthene	2009-03	ug/L						<10	<10	<10								
Fluoranthene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Fluoranthene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Fluoranthene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Fluoranthene	2010-03	ug/L					<10.0			<10.0				<10.0				
Fluoranthene	2010-06	ug/L										<10.0						
Fluoranthene	2010-08	ug/L										<10.0	<10.0					
Fluoranthene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Fluoranthene	2010-12	ug/L										<10.0						
Fluoranthene	2011-03	ug/L											<10.0		<10.0			
Fluoranthene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Fluoranthene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Fluoranthene	2011-12	ug/L													<10.0	<10.0	<10.0	
Fluoranthene	2012-03	ug/L														<10.0	<10.0	
Fluoranthene	2014-12	ug/L															<10.2	
Fluoranthene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Fluoranthene	2017-10	ug/L						<10.5										
Fluoranthene	2017-12	ug/L					<10.6					<10.4						<10.4
Fluoranthene	2018-07	ug/L											<10.4					
Fluoranthene	2018-10	ug/L											<10.4					
Fluoranthene	2019-05	ug/L																
Fluoranthene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Fluoranthene	2021-12	ug/L																

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**Table 19**  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Ethylbenzene	2021-12	ug/L	<1															
Ethylbenzene	2022-02	ug/L						<1	<1									
Ethylbenzene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Ethylbenzene	2022-07	ug/L																
Ethylbenzene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Ethylbenzene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Ethylbenzene	2023-05	ug/L																
Ethylbenzene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Ethylbenzene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Ethylbenzene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Famphur	2009-03	ug/L																
Famphur	2009-06	ug/L																
Famphur	2009-09	ug/L																
Famphur	2009-12	ug/L																
Famphur	2010-03	ug/L																
Famphur	2010-06	ug/L																
Famphur	2010-08	ug/L																
Famphur	2010-09	ug/L																
Famphur	2010-12	ug/L																
Famphur	2011-03	ug/L																
Famphur	2011-06	ug/L																
Famphur	2011-09	ug/L																
Famphur	2011-12	ug/L																
Famphur	2012-03	ug/L																
Famphur	2014-12	ug/L																
Famphur	2016-10	ug/L									<20.8					<20.6	<20.4	
Famphur	2017-10	ug/L																
Famphur	2017-12	ug/L			<20.8													
Famphur	2018-07	ug/L								<10.1								
Famphur	2018-10	ug/L								<10.3								
Famphur	2019-05	ug/L		<10.1														
Famphur	2021-10	ug/L																
Famphur	2021-12	ug/L	<10.5															
Famphur	2022-10	ug/L			<8.77													
Famphur	2024-04	ug/L		<10.2														
Fluoranthene	2009-03	ug/L																
Fluoranthene	2009-06	ug/L																
Fluoranthene	2009-09	ug/L																
Fluoranthene	2009-12	ug/L																
Fluoranthene	2010-03	ug/L																
Fluoranthene	2010-06	ug/L																
Fluoranthene	2010-08	ug/L																
Fluoranthene	2010-09	ug/L																
Fluoranthene	2010-12	ug/L																
Fluoranthene	2011-03	ug/L																
Fluoranthene	2011-06	ug/L																
Fluoranthene	2011-09	ug/L																
Fluoranthene	2011-12	ug/L																
Fluoranthene	2012-03	ug/L																
Fluoranthene	2014-12	ug/L																
Fluoranthene	2016-10	ug/L									<10.4					<10.3	<10.2	
Fluoranthene	2017-10	ug/L																
Fluoranthene	2017-12	ug/L			0.653 J													
Fluoranthene	2018-07	ug/L								<10.1								
Fluoranthene	2018-10	ug/L								<10.3								
Fluoranthene	2019-05	ug/L		<10.1														
Fluoranthene	2021-10	ug/L																
Fluoranthene	2021-12	ug/L	<10.5															

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Fluoranthene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Fluoranthene	2024-04	ug/L											<10.6					
Fluorene	2009-03	ug/L						<10	<10	<10								
Fluorene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Fluorene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Fluorene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Fluorene	2010-03	ug/L					<10.0			<10.0				<10.0				
Fluorene	2010-06	ug/L										<10.0						
Fluorene	2010-08	ug/L										<10.0	<10.0					
Fluorene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Fluorene	2010-12	ug/L										<10.0						
Fluorene	2011-03	ug/L										<10.0		<10.0				
Fluorene	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
Fluorene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Fluorene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Fluorene	2012-03	ug/L													<10.0	<10.0	<10.0	
Fluorene	2014-12	ug/L														<10.2	<10.2	
Fluorene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Fluorene	2017-10	ug/L						<10.5										
Fluorene	2017-12	ug/L					<10.6					<10.4						<10.4
Fluorene	2018-07	ug/L											<10.4					
Fluorene	2018-10	ug/L										<10.4						
Fluorene	2019-05	ug/L																
Fluorene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Fluorene	2021-12	ug/L																
Fluorene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Fluorene	2024-04	ug/L											<10.6					
Fluorotrichloromethane	2008-01	ug/L					<4	<4	<4.00	<4	<4	<4	<4	<4	<4			
Fluorotrichloromethane	2008-03	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Fluorotrichloromethane	2008-08	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Fluorotrichloromethane	2008-09	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Fluorotrichloromethane	2008-10	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Fluorotrichloromethane	2009-03	ug/L					<4	<4	<4	<4	<4	<4	<4	<4	<4			
Fluorotrichloromethane	2009-06	ug/L					<20.0	<4	<4	<4.00	<4			<4.00				
Fluorotrichloromethane	2009-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Fluorotrichloromethane	2009-12	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Fluorotrichloromethane	2010-03	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00			
Fluorotrichloromethane	2010-06	ug/L										<4.00				<4.00	<4.00	<4.00
Fluorotrichloromethane	2010-08	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Fluorotrichloromethane	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2010-12	ug/L										<4.00				<4.00	<4.00	<4.00
Fluorotrichloromethane	2011-03	ug/L		<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2011-04	ug/L					<4.00		<4.00	<40.0	<4.00					<4.00	<4.00	<4.00
Fluorotrichloromethane	2011-06	ug/L		<4.00								<4.00		<4.00	<4.00	<4.00	<4.00	
Fluorotrichloromethane	2011-07	ug/L	<4.00															
Fluorotrichloromethane	2011-08	ug/L		<4.00														
Fluorotrichloromethane	2011-09	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2011-12	ug/L	<4.00	<4.00										<4.00	<4.00	<4.00	<4.00	
Fluorotrichloromethane	2012-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2012-06	ug/L																
Fluorotrichloromethane	2012-10	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2013-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<40.0	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2013-06	ug/L																
Fluorotrichloromethane	2013-09	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00		<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2013-11	ug/L																
Fluorotrichloromethane	2014-03	ug/L	<4.00	<4.00			<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Fluorotrichloromethane	2014-06	ug/L																
Fluorotrichloromethane	2014-09	ug/L	<4	<4			<4.00	<4.00	<4.00	<4.00	<4	<4	<4	<4.00	<4.00	<4.00	<4.00	<4

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Fluoranthene	2022-10	ug/L			<8.77													
Fluoranthene	2024-04	ug/L		<10.2														
Fluorene	2009-03	ug/L																
Fluorene	2009-06	ug/L																
Fluorene	2009-09	ug/L																
Fluorene	2009-12	ug/L																
Fluorene	2010-03	ug/L																
Fluorene	2010-06	ug/L																
Fluorene	2010-08	ug/L																
Fluorene	2010-09	ug/L																
Fluorene	2010-12	ug/L																
Fluorene	2011-03	ug/L																
Fluorene	2011-06	ug/L																
Fluorene	2011-09	ug/L																
Fluorene	2011-12	ug/L																
Fluorene	2012-03	ug/L																
Fluorene	2014-12	ug/L																
Fluorene	2016-10	ug/L									<10.4					<10.3	<10.2	
Fluorene	2017-10	ug/L																
Fluorene	2017-12	ug/L			<10.4													
Fluorene	2018-07	ug/L								<10.1								
Fluorene	2018-10	ug/L								<10.3								
Fluorene	2019-05	ug/L		<10.1														
Fluorene	2021-10	ug/L																
Fluorene	2021-12	ug/L	<10.5															
Fluorene	2022-10	ug/L			<8.77													
Fluorene	2024-04	ug/L		<10.2														
Fluorotrichloromethane	2008-01	ug/L																
Fluorotrichloromethane	2008-03	ug/L																
Fluorotrichloromethane	2008-08	ug/L																
Fluorotrichloromethane	2008-09	ug/L																
Fluorotrichloromethane	2008-10	ug/L																
Fluorotrichloromethane	2009-03	ug/L																
Fluorotrichloromethane	2009-06	ug/L																
Fluorotrichloromethane	2009-09	ug/L																
Fluorotrichloromethane	2009-12	ug/L																
Fluorotrichloromethane	2010-03	ug/L																
Fluorotrichloromethane	2010-06	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2010-08	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2010-09	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2010-12	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2011-03	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2011-04	ug/L																
Fluorotrichloromethane	2011-06	ug/L																
Fluorotrichloromethane	2011-07	ug/L																
Fluorotrichloromethane	2011-08	ug/L																
Fluorotrichloromethane	2011-09	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2011-12	ug/L																
Fluorotrichloromethane	2012-03	ug/L	<4.00	<4.00														
Fluorotrichloromethane	2012-06	ug/L								<4.00	<4.00			<4.00		<4.00	<4.00	
Fluorotrichloromethane	2012-10	ug/L																
Fluorotrichloromethane	2013-03	ug/L	<4.00							<4.00								
Fluorotrichloromethane	2013-06	ug/L			<4.00													
Fluorotrichloromethane	2013-09	ug/L	<4.00	<4.00	<4.00					<4.00								
Fluorotrichloromethane	2013-11	ug/L			<4.00													
Fluorotrichloromethane	2014-03	ug/L	<4.00		<4.00					<4.00								
Fluorotrichloromethane	2014-06	ug/L		<4.00	<4.00													
Fluorotrichloromethane	2014-09	ug/L	<4	<4	<4					<4								

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Fluorotrichloromethane	2014-12	ug/L																<4.00
Fluorotrichloromethane	2015-04	ug/L	< 4.00	< 4			< 4	< 4.00	< 4	< 4	< 4	< 4.00	< 4.00			< 4.00	< 4	< 4
Fluorotrichloromethane	2015-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2016-04	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2016-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2017-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2017-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2017-12	ug/L					<4					<4						<4
Fluorotrichloromethane	2018-04	ug/L	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2018-07	ug/L											<4					
Fluorotrichloromethane	2018-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2019-01	ug/L																
Fluorotrichloromethane	2019-03	ug/L	<4	<4			<4	<4	<4	<1	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2019-05	ug/L																
Fluorotrichloromethane	2019-10	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2020-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2020-09	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2021-03	ug/L	<4	<4			<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2021-05	ug/L																
Fluorotrichloromethane	2021-08	ug/L																
Fluorotrichloromethane	2021-10	ug/L	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2021-12	ug/L																
Fluorotrichloromethane	2022-02	ug/L	<4		<4	<4												
Fluorotrichloromethane	2022-04	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2022-07	ug/L			<4	<4												
Fluorotrichloromethane	2022-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2023-04	ug/L	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2023-05	ug/L			<4													
Fluorotrichloromethane	2023-10	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2024-04	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4
Fluorotrichloromethane	2024-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4
Heptachlor	2009-03	ug/L						<0.032	<0.032	<0.032	<0.032					<0.0320		
Heptachlor	2009-06	ug/L						<0.0320	<0.032	<0.032	<0.0320	<0.032				<0.0320		
Heptachlor	2009-09	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				<0.0320		
Heptachlor	2009-12	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				<0.0320		
Heptachlor	2010-03	ug/L						<0.0320			<0.0320					<0.0320		
Heptachlor	2010-06	ug/L										<0.0320						
Heptachlor	2010-08	ug/L										<0.0320	<0.0320					
Heptachlor	2010-09	ug/L					<0.0320	<b>0.243</b>	<b>0.0410</b>	<b>0.390</b>	<0.0320	<0.0320	<0.0320	<b>0.0503</b>				
Heptachlor	2010-12	ug/L										<0.0320						
Heptachlor	2011-03	ug/L						<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Heptachlor	2011-06	ug/L											<0.0320			<0.0320	<0.0320	<0.0320
Heptachlor	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320	<0.0320	<0.0320	<0.0320
Heptachlor	2011-12	ug/L													<0.0320	<0.0320	<0.0320	<0.0320
Heptachlor	2012-03	ug/L						<0.0320	<0.0320	<0.0320					<0.0320	<0.0320	<0.0320	
Heptachlor	2012-10	ug/L						<0.0320	<0.0404	<0.0320					<0.0320			
Heptachlor	2013-03	ug/L						<0.0395	<b>0.00502</b>	<b>0.0133</b>					<b>0.0254</b>			
Heptachlor	2013-09	ug/L							<b>0.00457</b>	<0.0327					<b>0.00594</b>			
Heptachlor	2014-03	ug/L							<b>0.0119</b>	<b>0.0168</b>					<b>0.00868</b>			
Heptachlor	2014-09	ug/L							<b>0.00699</b>	<b>0.0154</b>					<b>0.0135</b>			
Heptachlor	2014-12	ug/L															<b>0.00408</b>	
Heptachlor	2015-04	ug/L							<b>0.00543</b>	<b>0.00908</b>								
Heptachlor	2015-10	ug/L							<0.032	<0.032								
Heptachlor	2016-10	ug/L							<0.033	<0.032	<0.0344				<0.033	<0.033		
Heptachlor	2017-03	ug/L								<0.0518	<b>0.103</b>							
Heptachlor	2017-10	ug/L						<0.0333	<0.0333	<0.0333	<0.0337							
Heptachlor	2017-12	ug/L					<0.0333					<0.0333						<0.0333
Heptachlor	2018-04	ug/L							<0.0344	<0.034								

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Fluorotrichloromethane	2014-12	ug/L																
Fluorotrichloromethane	2015-04	ug/L	< 4.00	< 4.00	< 4.00						< 4							
Fluorotrichloromethane	2015-10	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2016-04	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2016-10	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2017-03	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2017-10	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2017-12	ug/L			<4													
Fluorotrichloromethane	2018-04	ug/L	<4	<4	<4						<4					<4	<4	
Fluorotrichloromethane	2018-07	ug/L								<4								
Fluorotrichloromethane	2018-10	ug/L	<4	<4	<4					<4	<4					<4	<4	
Fluorotrichloromethane	2019-01	ug/L								<4								
Fluorotrichloromethane	2019-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Fluorotrichloromethane	2019-05	ug/L		<4						<4								
Fluorotrichloromethane	2019-10	ug/L	<4	<4	<4					<4	<4					<4	<4	
Fluorotrichloromethane	2020-03	ug/L	<4	<4	<4					<4	<4					<4	<4	
Fluorotrichloromethane	2020-09	ug/L	<4	<4	<4					<4	<4	<4				<4	<4	
Fluorotrichloromethane	2021-03	ug/L	<4	<4	<4			<4	<4	<4	<4					<4	<4	
Fluorotrichloromethane	2021-05	ug/L	<4															
Fluorotrichloromethane	2021-08	ug/L						<4	<4									
Fluorotrichloromethane	2021-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2021-12	ug/L	<4															
Fluorotrichloromethane	2022-02	ug/L						<4	<4									
Fluorotrichloromethane	2022-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2022-07	ug/L																
Fluorotrichloromethane	2022-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2023-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2023-05	ug/L																
Fluorotrichloromethane	2023-10	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2024-04	ug/L	<4	<4	<4			<4	<4	<4	<4							
Fluorotrichloromethane	2024-09	ug/L	< 4	< 4	< 4			< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Heptachlor	2009-03	ug/L																
Heptachlor	2009-06	ug/L																
Heptachlor	2009-09	ug/L																
Heptachlor	2009-12	ug/L																
Heptachlor	2010-03	ug/L																
Heptachlor	2010-06	ug/L																
Heptachlor	2010-08	ug/L																
Heptachlor	2010-09	ug/L																
Heptachlor	2010-12	ug/L																
Heptachlor	2011-03	ug/L																
Heptachlor	2011-06	ug/L																
Heptachlor	2011-09	ug/L																
Heptachlor	2011-12	ug/L																
Heptachlor	2012-03	ug/L																
Heptachlor	2012-10	ug/L																
Heptachlor	2013-03	ug/L									<0.0330							
Heptachlor	2013-09	ug/L									0.00377							
Heptachlor	2014-03	ug/L									0.00314							
Heptachlor	2014-09	ug/L									<0.032							
Heptachlor	2014-12	ug/L																
Heptachlor	2015-04	ug/L									< 0.033							
Heptachlor	2015-10	ug/L									<0.032					<0.032	<0.032	
Heptachlor	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Heptachlor	2017-03	ug/L									<0.032					<0.0323	<0.032	
Heptachlor	2017-10	ug/L									<0.0333					<0.0323	<0.0327	
Heptachlor	2017-12	ug/L			<0.0333													
Heptachlor	2018-04	ug/L																

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Heptachlor	2018-07	ug/L											0.00333 J					
Heptachlor	2018-10	ug/L							<0.033	0.00997 J			<0.033					
Heptachlor	2019-03	ug/L							<0.0327	<4								
Heptachlor	2019-05	ug/L																
Heptachlor	2019-10	ug/L							<0.0328	0.0497								
Heptachlor	2020-03	ug/L								<0.033								
Heptachlor	2020-09	ug/L								<0.0376								
Heptachlor	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Heptachlor	2021-12	ug/L																
Heptachlor	2022-02	ug/L																
Heptachlor	2022-04	ug/L																
Heptachlor	2022-07	ug/L																
Heptachlor	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Heptachlor	2023-04	ug/L									<0.064							
Heptachlor	2023-10	ug/L																
Heptachlor	2024-04	ug/L											<0.064					
Heptachlor	2024-09	ug/L																
Heptachlor Epoxide	2009-03	ug/L						<0.032	<0.032	<0.032								
Heptachlor Epoxide	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Heptachlor Epoxide	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Heptachlor Epoxide	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Heptachlor Epoxide	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Heptachlor Epoxide	2010-06	ug/L										<0.0320						
Heptachlor Epoxide	2010-08	ug/L										<0.0320	<0.0320					
Heptachlor Epoxide	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Heptachlor Epoxide	2010-12	ug/L										<0.0320						
Heptachlor Epoxide	2011-03	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Heptachlor Epoxide	2011-06	ug/L											<0.0320		<0.0320	<0.0392	<0.0320	
Heptachlor Epoxide	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Heptachlor Epoxide	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	
Heptachlor Epoxide	2012-03	ug/L														<0.0320	<0.0320	
Heptachlor Epoxide	2014-12	ug/L															<0.0352	
Heptachlor Epoxide	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
Heptachlor Epoxide	2017-10	ug/L						<0.0333										
Heptachlor Epoxide	2017-12	ug/L					<0.0333					<0.0333						<0.0333
Heptachlor Epoxide	2018-07	ug/L											0.00637 J					
Heptachlor Epoxide	2018-10	ug/L											<0.033					
Heptachlor Epoxide	2019-05	ug/L																
Heptachlor Epoxide	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Heptachlor Epoxide	2021-12	ug/L																
Heptachlor Epoxide	2022-10	ug/L					<0.0542	<0.0561				<0.0542						<0.0582
Heptachlor Epoxide	2023-04	ug/L									<0.064							
Heptachlor Epoxide	2024-04	ug/L											<0.064					
Hexachlorobenzene	2009-03	ug/L						<10	<10	<10								
Hexachlorobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Hexachlorobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorobenzene	2010-03	ug/L					<10.0				<10.0			<10.0				
Hexachlorobenzene	2010-06	ug/L										<10.0						
Hexachlorobenzene	2010-08	ug/L										<10.0	<10.0					
Hexachlorobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Hexachlorobenzene	2010-12	ug/L										<10.0						
Hexachlorobenzene	2011-03	ug/L											<10.0		<10.0			
Hexachlorobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Hexachlorobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Hexachlorobenzene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Hexachlorobenzene	2012-03	ug/L													<10.0	<10.0	<10.0	
Hexachlorobenzene	2014-12	ug/L															<10.2	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Heptachlor	2018-07	ug/L								0.00268 J								
Heptachlor	2018-10	ug/L								<0.033								
Heptachlor	2019-03	ug/L																
Heptachlor	2019-05	ug/L		<0.0327														
Heptachlor	2019-10	ug/L																
Heptachlor	2020-03	ug/L																
Heptachlor	2020-09	ug/L																
Heptachlor	2021-10	ug/L																
Heptachlor	2021-12	ug/L	0.0463															
Heptachlor	2022-02	ug/L	<0.064															
Heptachlor	2022-04	ug/L	<0.064															
Heptachlor	2022-07	ug/L	<0.064															
Heptachlor	2022-10	ug/L			<0.0542													
Heptachlor	2023-04	ug/L	<0.064															
Heptachlor	2023-10	ug/L	<0.064															
Heptachlor	2024-04	ug/L	<0.064	<0.064														
Heptachlor	2024-09	ug/L	< 0.0962							< 0.0956	< 0.0919							
Heptachlor Epoxide	2009-03	ug/L																
Heptachlor Epoxide	2009-06	ug/L																
Heptachlor Epoxide	2009-09	ug/L																
Heptachlor Epoxide	2009-12	ug/L																
Heptachlor Epoxide	2010-03	ug/L																
Heptachlor Epoxide	2010-06	ug/L																
Heptachlor Epoxide	2010-08	ug/L																
Heptachlor Epoxide	2010-09	ug/L																
Heptachlor Epoxide	2010-12	ug/L																
Heptachlor Epoxide	2011-03	ug/L																
Heptachlor Epoxide	2011-06	ug/L																
Heptachlor Epoxide	2011-09	ug/L																
Heptachlor Epoxide	2011-12	ug/L																
Heptachlor Epoxide	2012-03	ug/L																
Heptachlor Epoxide	2014-12	ug/L																
Heptachlor Epoxide	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Heptachlor Epoxide	2017-10	ug/L																
Heptachlor Epoxide	2017-12	ug/L			<0.0333													
Heptachlor Epoxide	2018-07	ug/L								<0.0323								
Heptachlor Epoxide	2018-10	ug/L								<0.033								
Heptachlor Epoxide	2019-05	ug/L		<0.0327														
Heptachlor Epoxide	2021-10	ug/L																
Heptachlor Epoxide	2021-12	ug/L	<0.0337															
Heptachlor Epoxide	2022-10	ug/L			<0.0542													
Heptachlor Epoxide	2023-04	ug/L	<0.064															
Heptachlor Epoxide	2024-04	ug/L		<0.064														
Hexachlorobenzene	2009-03	ug/L																
Hexachlorobenzene	2009-06	ug/L																
Hexachlorobenzene	2009-09	ug/L																
Hexachlorobenzene	2009-12	ug/L																
Hexachlorobenzene	2010-03	ug/L																
Hexachlorobenzene	2010-06	ug/L																
Hexachlorobenzene	2010-08	ug/L																
Hexachlorobenzene	2010-09	ug/L																
Hexachlorobenzene	2010-12	ug/L																
Hexachlorobenzene	2011-03	ug/L																
Hexachlorobenzene	2011-06	ug/L																
Hexachlorobenzene	2011-09	ug/L																
Hexachlorobenzene	2011-12	ug/L																
Hexachlorobenzene	2012-03	ug/L																
Hexachlorobenzene	2014-12	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Hexachlorobenzene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Hexachlorobenzene	2017-10	ug/L						<10.5										
Hexachlorobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
Hexachlorobenzene	2018-07	ug/L											<10.4					
Hexachlorobenzene	2018-10	ug/L											<10.4					
Hexachlorobenzene	2019-05	ug/L																
Hexachlorobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Hexachlorobenzene	2021-12	ug/L																
Hexachlorobenzene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Hexachlorobenzene	2024-04	ug/L											<10.6					
Hexachlorobutadiene	2009-03	ug/L						<10	<10	<10								
Hexachlorobutadiene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Hexachlorobutadiene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorobutadiene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorobutadiene	2010-03	ug/L					<10.0				<10.0			<10.0				
Hexachlorobutadiene	2010-06	ug/L										<10.0						
Hexachlorobutadiene	2010-08	ug/L										<10.0	<10.0					
Hexachlorobutadiene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Hexachlorobutadiene	2010-12	ug/L										<10.0						
Hexachlorobutadiene	2011-03	ug/L											<10.0		<10.0			
Hexachlorobutadiene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Hexachlorobutadiene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Hexachlorobutadiene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Hexachlorobutadiene	2012-03	ug/L													<10.0	<10.0	<10.0	
Hexachlorobutadiene	2014-12	ug/L															<10.2	
Hexachlorobutadiene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Hexachlorobutadiene	2017-10	ug/L						<10.5										
Hexachlorobutadiene	2017-12	ug/L					<10.6					<10.4						<10.4
Hexachlorobutadiene	2018-07	ug/L											<10.4					
Hexachlorobutadiene	2018-10	ug/L											<10.4					
Hexachlorobutadiene	2019-05	ug/L																
Hexachlorobutadiene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Hexachlorobutadiene	2021-12	ug/L																
Hexachlorobutadiene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Hexachlorobutadiene	2024-04	ug/L											<10.6					
Hexachlorocyclopentadiene	2009-03	ug/L						<10	<10	<10								
Hexachlorocyclopentadiene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Hexachlorocyclopentadiene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorocyclopentadiene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachlorocyclopentadiene	2010-03	ug/L					<10.0				<10.0			<10.0				
Hexachlorocyclopentadiene	2010-06	ug/L										<10.0						
Hexachlorocyclopentadiene	2010-08	ug/L										<10.0	<10.0					
Hexachlorocyclopentadiene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Hexachlorocyclopentadiene	2010-12	ug/L										<10.0						
Hexachlorocyclopentadiene	2011-03	ug/L											<10.0		<10.0			
Hexachlorocyclopentadiene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Hexachlorocyclopentadiene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Hexachlorocyclopentadiene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Hexachlorocyclopentadiene	2012-03	ug/L													<10.0	<10.0	<10.0	
Hexachlorocyclopentadiene	2014-12	ug/L															<20.4	
Hexachlorocyclopentadiene	2016-10	ug/L							<20	<20	<21.7					<22.5	<22.2	
Hexachlorocyclopentadiene	2017-10	ug/L						<21.1										
Hexachlorocyclopentadiene	2017-12	ug/L					<21.3					<20.8						<20.8
Hexachlorocyclopentadiene	2018-07	ug/L											<10.4					
Hexachlorocyclopentadiene	2018-10	ug/L											<10.4					
Hexachlorocyclopentadiene	2019-05	ug/L																
Hexachlorocyclopentadiene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Hexachlorocyclopentadiene	2021-12	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Hexachlorobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
Hexachlorobenzene	2017-10	ug/L																
Hexachlorobenzene	2017-12	ug/L		<10.4														
Hexachlorobenzene	2018-07	ug/L								<10.1								
Hexachlorobenzene	2018-10	ug/L								<10.3								
Hexachlorobenzene	2019-05	ug/L		<10.1														
Hexachlorobenzene	2021-10	ug/L																
Hexachlorobenzene	2021-12	ug/L	<10.5															
Hexachlorobenzene	2022-10	ug/L			<8.77													
Hexachlorobenzene	2024-04	ug/L		<10.2														
Hexachlorobutadiene	2009-03	ug/L																
Hexachlorobutadiene	2009-06	ug/L																
Hexachlorobutadiene	2009-09	ug/L																
Hexachlorobutadiene	2009-12	ug/L																
Hexachlorobutadiene	2010-03	ug/L																
Hexachlorobutadiene	2010-06	ug/L																
Hexachlorobutadiene	2010-08	ug/L																
Hexachlorobutadiene	2010-09	ug/L																
Hexachlorobutadiene	2010-12	ug/L																
Hexachlorobutadiene	2011-03	ug/L																
Hexachlorobutadiene	2011-06	ug/L																
Hexachlorobutadiene	2011-09	ug/L																
Hexachlorobutadiene	2011-12	ug/L																
Hexachlorobutadiene	2012-03	ug/L																
Hexachlorobutadiene	2014-12	ug/L																
Hexachlorobutadiene	2016-10	ug/L									<10.4					<10.3	<10.2	
Hexachlorobutadiene	2017-10	ug/L																
Hexachlorobutadiene	2017-12	ug/L		<10.4														
Hexachlorobutadiene	2018-07	ug/L								<10.1								
Hexachlorobutadiene	2018-10	ug/L								<10.3								
Hexachlorobutadiene	2019-05	ug/L		<10.1														
Hexachlorobutadiene	2021-10	ug/L																
Hexachlorobutadiene	2021-12	ug/L	<10.5															
Hexachlorobutadiene	2022-10	ug/L			<8.77													
Hexachlorobutadiene	2024-04	ug/L		<10.2														
Hexachlorocyclopentadiene	2009-03	ug/L																
Hexachlorocyclopentadiene	2009-06	ug/L																
Hexachlorocyclopentadiene	2009-09	ug/L																
Hexachlorocyclopentadiene	2009-12	ug/L																
Hexachlorocyclopentadiene	2010-03	ug/L																
Hexachlorocyclopentadiene	2010-06	ug/L																
Hexachlorocyclopentadiene	2010-08	ug/L																
Hexachlorocyclopentadiene	2010-09	ug/L																
Hexachlorocyclopentadiene	2010-12	ug/L																
Hexachlorocyclopentadiene	2011-03	ug/L																
Hexachlorocyclopentadiene	2011-06	ug/L																
Hexachlorocyclopentadiene	2011-09	ug/L																
Hexachlorocyclopentadiene	2011-12	ug/L																
Hexachlorocyclopentadiene	2012-03	ug/L																
Hexachlorocyclopentadiene	2014-12	ug/L																
Hexachlorocyclopentadiene	2016-10	ug/L									<20.8					<20.6	<20.4	
Hexachlorocyclopentadiene	2017-10	ug/L																
Hexachlorocyclopentadiene	2017-12	ug/L		<20.8														
Hexachlorocyclopentadiene	2018-07	ug/L								<10.1								
Hexachlorocyclopentadiene	2018-10	ug/L								<10.3								
Hexachlorocyclopentadiene	2019-05	ug/L		<10.1														
Hexachlorocyclopentadiene	2021-10	ug/L																
Hexachlorocyclopentadiene	2021-12	ug/L	<10.5															

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**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Hexachlorocyclopentadiene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Hexachlorocyclopentadiene	2024-04	ug/L											<10.6					
Hexachloroethane	2009-03	ug/L						<10	<10	<10								
Hexachloroethane	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Hexachloroethane	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachloroethane	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachloroethane	2010-03	ug/L					<10.0				<10.0			<10.0				
Hexachloroethane	2010-06	ug/L										<10.0						
Hexachloroethane	2010-08	ug/L										<10.0	<10.0					
Hexachloroethane	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Hexachloroethane	2010-12	ug/L										<10.0						
Hexachloroethane	2011-03	ug/L											<10.0		<10.0			
Hexachloroethane	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Hexachloroethane	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Hexachloroethane	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Hexachloroethane	2012-03	ug/L														<10.0	<10.0	
Hexachloroethane	2014-12	ug/L															<10.2	
Hexachloroethane	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Hexachloroethane	2017-10	ug/L						<10.5										
Hexachloroethane	2017-12	ug/L					<10.6					<10.4						<10.4
Hexachloroethane	2018-07	ug/L											<10.4					
Hexachloroethane	2018-10	ug/L											<10.4					
Hexachloroethane	2019-05	ug/L																
Hexachloroethane	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Hexachloroethane	2021-12	ug/L																
Hexachloroethane	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Hexachloroethane	2024-04	ug/L											<10.6					
Hexachloropropene	2009-03	ug/L						<10	<10	<10								
Hexachloropropene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Hexachloropropene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachloropropene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Hexachloropropene	2010-03	ug/L					<10.0				<10.0			<10.0				
Hexachloropropene	2010-06	ug/L										<10.0						
Hexachloropropene	2010-08	ug/L										<10.0	<10.0					
Hexachloropropene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Hexachloropropene	2010-12	ug/L										<10.0						
Hexachloropropene	2011-03	ug/L											<10.0		<10.0			
Hexachloropropene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Hexachloropropene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Hexachloropropene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Hexachloropropene	2012-03	ug/L														<10.0	<10.0	
Hexachloropropene	2014-12	ug/L															<10.2	
Hexachloropropene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Hexachloropropene	2017-10	ug/L						<10.5										
Hexachloropropene	2017-12	ug/L					<10.6					<10.4						<10.4
Hexachloropropene	2018-07	ug/L											<10.4					
Hexachloropropene	2018-10	ug/L											<10.4					
Hexachloropropene	2019-05	ug/L																
Hexachloropropene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Hexachloropropene	2021-12	ug/L																
Hexachloropropene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Hexachloropropene	2024-04	ug/L											<10.6					
Indeno(1,2,3-cd)pyrene	2009-03	ug/L						<10	<10	<10								
Indeno(1,2,3-cd)pyrene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Indeno(1,2,3-cd)pyrene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Indeno(1,2,3-cd)pyrene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Indeno(1,2,3-cd)pyrene	2010-03	ug/L					<10.0				<10.0			<10.0				
Indeno(1,2,3-cd)pyrene	2010-06	ug/L										<10.0						

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Hexachlorocyclopentadiene	2022-10	ug/L			<8.77													
Hexachlorocyclopentadiene	2024-04	ug/L		<10.2														
Hexachloroethane	2009-03	ug/L																
Hexachloroethane	2009-06	ug/L																
Hexachloroethane	2009-09	ug/L																
Hexachloroethane	2009-12	ug/L																
Hexachloroethane	2010-03	ug/L																
Hexachloroethane	2010-06	ug/L																
Hexachloroethane	2010-08	ug/L																
Hexachloroethane	2010-09	ug/L																
Hexachloroethane	2010-12	ug/L																
Hexachloroethane	2011-03	ug/L																
Hexachloroethane	2011-06	ug/L																
Hexachloroethane	2011-09	ug/L																
Hexachloroethane	2011-12	ug/L																
Hexachloroethane	2012-03	ug/L																
Hexachloroethane	2014-12	ug/L																
Hexachloroethane	2016-10	ug/L									<10.4					<10.3	<10.2	
Hexachloroethane	2017-10	ug/L																
Hexachloroethane	2017-12	ug/L			<10.4													
Hexachloroethane	2018-07	ug/L								<10.1								
Hexachloroethane	2018-10	ug/L								<10.3								
Hexachloroethane	2019-05	ug/L		<10.1														
Hexachloroethane	2021-10	ug/L																
Hexachloroethane	2021-12	ug/L	<10.5															
Hexachloroethane	2022-10	ug/L			<8.77													
Hexachloroethane	2024-04	ug/L		<10.2														
Hexachloropropene	2009-03	ug/L																
Hexachloropropene	2009-06	ug/L																
Hexachloropropene	2009-09	ug/L																
Hexachloropropene	2009-12	ug/L																
Hexachloropropene	2010-03	ug/L																
Hexachloropropene	2010-06	ug/L																
Hexachloropropene	2010-08	ug/L																
Hexachloropropene	2010-09	ug/L																
Hexachloropropene	2010-12	ug/L																
Hexachloropropene	2011-03	ug/L																
Hexachloropropene	2011-06	ug/L																
Hexachloropropene	2011-09	ug/L																
Hexachloropropene	2011-12	ug/L																
Hexachloropropene	2012-03	ug/L																
Hexachloropropene	2014-12	ug/L																
Hexachloropropene	2016-10	ug/L									<10.4					<10.3	<10.2	
Hexachloropropene	2017-10	ug/L																
Hexachloropropene	2017-12	ug/L			<10.4													
Hexachloropropene	2018-07	ug/L								<10.1								
Hexachloropropene	2018-10	ug/L								<10.3								
Hexachloropropene	2019-05	ug/L		<10.1														
Hexachloropropene	2021-10	ug/L																
Hexachloropropene	2021-12	ug/L	<10.5															
Hexachloropropene	2022-10	ug/L			<8.77													
Hexachloropropene	2024-04	ug/L		<10.2														
Indeno(1,2,3-cd)pyrene	2009-03	ug/L																
Indeno(1,2,3-cd)pyrene	2009-06	ug/L																
Indeno(1,2,3-cd)pyrene	2009-09	ug/L																
Indeno(1,2,3-cd)pyrene	2009-12	ug/L																
Indeno(1,2,3-cd)pyrene	2010-03	ug/L																
Indeno(1,2,3-cd)pyrene	2010-06	ug/L																

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**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Indeno(1,2,3-cd)pyrene	2010-08	ug/L										<10.0	<10.0					
Indeno(1,2,3-cd)pyrene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Indeno(1,2,3-cd)pyrene	2010-12	ug/L										<10.0						
Indeno(1,2,3-cd)pyrene	2011-03	ug/L											<10.0		<10.0			
Indeno(1,2,3-cd)pyrene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Indeno(1,2,3-cd)pyrene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Indeno(1,2,3-cd)pyrene	2011-12	ug/L													<10.0	<10.0	<10.0	
Indeno(1,2,3-cd)pyrene	2012-03	ug/L														<10.0	<10.0	
Indeno(1,2,3-cd)pyrene	2014-12	ug/L															<10.2	
Indeno(1,2,3-cd)pyrene	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
Indeno(1,2,3-cd)pyrene	2017-10	ug/L						<10.5										
Indeno(1,2,3-cd)pyrene	2017-12	ug/L					<10.6					<10.4						<10.4
Indeno(1,2,3-cd)pyrene	2018-07	ug/L											<10.4					
Indeno(1,2,3-cd)pyrene	2018-10	ug/L											<10.4					
Indeno(1,2,3-cd)pyrene	2019-05	ug/L																
Indeno(1,2,3-cd)pyrene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Indeno(1,2,3-cd)pyrene	2021-12	ug/L																
Indeno(1,2,3-cd)pyrene	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Indeno(1,2,3-cd)pyrene	2024-04	ug/L											<10.6					
Iodomethane	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
Iodomethane	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Iodomethane	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Iodomethane	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Iodomethane	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Iodomethane	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
Iodomethane	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
Iodomethane	2009-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0			
Iodomethane	2009-12	ug/L					<10.0	<10.0	<10.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0			
Iodomethane	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Iodomethane	2010-06	ug/L										<10.0				<50.0	<50.0	<50.0
Iodomethane	2010-08	ug/L										<10.0	<10.0			<10.0	<10.0	<10.0
Iodomethane	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2010-12	ug/L										<10.0				<10.0	<10.0	<10.0
Iodomethane	2011-03	ug/L		<10.0			<50.0	<10.0	<10.0	<500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2011-04	ug/L					<10.0		<10.0	<100	<10.0						<10.0	
Iodomethane	2011-06	ug/L		<10.0									<10.0		<10.0	<10.0	<10.0	
Iodomethane	2011-07	ug/L	<50.0															
Iodomethane	2011-08	ug/L		<20.0														
Iodomethane	2011-09	ug/L	<20.0	<20.0			<10.0	<10.0	<10.0	<100	<20.0	<20.0		<10.0	<10.0	<10.0	<10.0	<20.0
Iodomethane	2011-12	ug/L	<20.0	<20.0											<20.0	<10.0	<20.0	
Iodomethane	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2012-06	ug/L																
Iodomethane	2012-10	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2013-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<100	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2013-06	ug/L																
Iodomethane	2013-09	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2013-11	ug/L																
Iodomethane	2014-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	2014-06	ug/L																
Iodomethane	2014-09	ug/L	<10	<10			<10.0	<10.0	<10.0	<10.0	<10	<10	<10	<10.0	<10.0	<10.0	<10.0	<10
Iodomethane	2014-12	ug/L																<10.0
Iodomethane	2015-04	ug/L	<10.0	<10			<10	<10.0	<10	<10	<10	<10.0	<b>9.03 Jo</b>		<10.0	<10	<10	
Iodomethane	2015-10	ug/L	<50	<50			<50	<50	<50	<50	<50	<50			<50	<50	<50	
Iodomethane	2016-04	ug/L	<10	<b>9.68 J</b>			<10	<10	<10	<10	<b>9.37 Jo</b>	<10	<10		<b>9.48 Jo</b>	<b>9.5 Jo</b>	<10	
Iodomethane	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	
Iodomethane	2017-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	
Iodomethane	2017-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	
Iodomethane	2017-12	ug/L					<10					<10						<10

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Indeno(1,2,3-cd)pyrene	2010-08	ug/L																
Indeno(1,2,3-cd)pyrene	2010-09	ug/L																
Indeno(1,2,3-cd)pyrene	2010-12	ug/L																
Indeno(1,2,3-cd)pyrene	2011-03	ug/L																
Indeno(1,2,3-cd)pyrene	2011-06	ug/L																
Indeno(1,2,3-cd)pyrene	2011-09	ug/L																
Indeno(1,2,3-cd)pyrene	2011-12	ug/L																
Indeno(1,2,3-cd)pyrene	2012-03	ug/L																
Indeno(1,2,3-cd)pyrene	2014-12	ug/L																
Indeno(1,2,3-cd)pyrene	2016-10	ug/L									<10.4					<10.3	<10.2	
Indeno(1,2,3-cd)pyrene	2017-10	ug/L																
Indeno(1,2,3-cd)pyrene	2017-12	ug/L			<10.4													
Indeno(1,2,3-cd)pyrene	2018-07	ug/L								<10.1								
Indeno(1,2,3-cd)pyrene	2018-10	ug/L								<10.3								
Indeno(1,2,3-cd)pyrene	2019-05	ug/L		2.45 J														
Indeno(1,2,3-cd)pyrene	2021-10	ug/L																
Indeno(1,2,3-cd)pyrene	2021-12	ug/L	<10.5															
Indeno(1,2,3-cd)pyrene	2022-10	ug/L			<8.77													
Indeno(1,2,3-cd)pyrene	2024-04	ug/L		<10.2														
Iodomethane	2008-01	ug/L																
Iodomethane	2008-03	ug/L																
Iodomethane	2008-08	ug/L																
Iodomethane	2008-09	ug/L																
Iodomethane	2008-10	ug/L																
Iodomethane	2009-03	ug/L																
Iodomethane	2009-06	ug/L																
Iodomethane	2009-09	ug/L																
Iodomethane	2009-12	ug/L																
Iodomethane	2010-03	ug/L																
Iodomethane	2010-06	ug/L	<50.0	<50.0														
Iodomethane	2010-08	ug/L	<10.0	<10.0														
Iodomethane	2010-09	ug/L	<10.0	<10.0														
Iodomethane	2010-12	ug/L	<10.0	<10.0														
Iodomethane	2011-03	ug/L	<10.0	<10.0														
Iodomethane	2011-04	ug/L																
Iodomethane	2011-06	ug/L																
Iodomethane	2011-07	ug/L																
Iodomethane	2011-08	ug/L																
Iodomethane	2011-09	ug/L	<20.0	<20.0														
Iodomethane	2011-12	ug/L																
Iodomethane	2012-03	ug/L	<10.0	<10.0														
Iodomethane	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
Iodomethane	2012-10	ug/L																
Iodomethane	2013-03	ug/L	<10.0								<10.0							
Iodomethane	2013-06	ug/L			<10.0													
Iodomethane	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
Iodomethane	2013-11	ug/L			<10.0													
Iodomethane	2014-03	ug/L	<10.0		<10.0						<10.0							
Iodomethane	2014-06	ug/L		<10.0	<10.0													
Iodomethane	2014-09	ug/L	<10	<10	<10						<10							
Iodomethane	2014-12	ug/L																
Iodomethane	2015-04	ug/L	< 10.0	< 10.0	< 10.0						< 10							
Iodomethane	2015-10	ug/L	<50	<50	<50						<50					<50	<50	
Iodomethane	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
Iodomethane	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
Iodomethane	2017-03	ug/L	<10	<10	<10						<10					<10	<10	
Iodomethane	2017-10	ug/L	<10	<10	<10						<10					<10	<10	
Iodomethane	2017-12	ug/L			<10													

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Iodomethane	2018-04	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2018-07	ug/L											<10					
Iodomethane	2018-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2019-01	ug/L																
Iodomethane	2019-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2019-05	ug/L																
Iodomethane	2019-10	ug/L	<10	<10			<10	<10	<20	<10	<10	<10	<10			<20	<10	<10
Iodomethane	2020-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2020-09	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2021-05	ug/L																
Iodomethane	2021-08	ug/L																
Iodomethane	2021-10	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2021-12	ug/L																
Iodomethane	2022-02	ug/L	<10		<10	<10												
Iodomethane	2022-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2022-07	ug/L			<10	<10												
Iodomethane	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2023-04	ug/L	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2023-05	ug/L			<10													
Iodomethane	2023-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	2024-09	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Isobutanol	2009-03	mg/L						<10	<10	<10								
Isobutanol	2009-06	mg/L					<10.0	<10	<10	<10.0	<10			<10.0				
Isobutanol	2009-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isobutanol	2009-12	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isobutanol	2010-03	mg/L					<10.0				<10.0			<10.0				
Isobutanol	2010-06	mg/L										<10.0						
Isobutanol	2010-08	mg/L										<10.0	<10.0					
Isobutanol	2010-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Isobutanol	2010-12	mg/L										<10.0						
Isobutanol	2011-03	mg/L											<10.0		<10.0			
Isobutanol	2011-06	mg/L											<10.0		<10.0	<10.0	<10.0	
Isobutanol	2011-09	mg/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Isobutanol	2011-12	mg/L												<10.0	<10.0	<10.0	<10.0	
Isobutanol	2012-03	mg/L													<10.0	<10.0	<10.0	
Isobutanol	2014-12	mg/L															<10.0	
Isobutanol	2016-10	mg/L														<10	<10	
Isobutanol	2017-10	mg/L						<10										
Isobutanol	2017-12	mg/L					<10					<10						<10
Isobutanol	2018-07	mg/L											<10					
Isobutanol	2018-10	mg/L											<10					
Isobutanol	2019-05	mg/L																
Isobutanol	2021-10	mg/L						<10	<10	<10						<10	<10	
Isobutanol	2021-12	mg/L																
Isobutanol	2022-10	mg/L					<10	<10				<10						<10
Isobutanol	2024-04	mg/L											<10					
Isodrin	2009-03	ug/L						<10	<10	<10								
Isodrin	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Isodrin	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isodrin	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isodrin	2010-03	ug/L					<10.0				<10.0			<10.0				
Isodrin	2010-06	ug/L										<10.0						
Isodrin	2010-08	ug/L										<10.0	<10.0					
Isodrin	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Isodrin	2010-12	ug/L										<10.0						
Isodrin	2011-03	ug/L											<10.0		<10.0			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Iodomethane	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
Iodomethane	2018-07	ug/L								<10								
Iodomethane	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Iodomethane	2019-01	ug/L								<10								
Iodomethane	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Iodomethane	2019-05	ug/L		<10						<10								
Iodomethane	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Iodomethane	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Iodomethane	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
Iodomethane	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					8.06 J	<10	
Iodomethane	2021-05	ug/L	<10															
Iodomethane	2021-08	ug/L						<10	<10									
Iodomethane	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2021-12	ug/L	<10															
Iodomethane	2022-02	ug/L						<10	<10									
Iodomethane	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2022-07	ug/L																
Iodomethane	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2023-05	ug/L																
Iodomethane	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Iodomethane	2024-09	ug/L	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isobutanol	2009-03	mg/L																
Isobutanol	2009-06	mg/L																
Isobutanol	2009-09	mg/L																
Isobutanol	2009-12	mg/L																
Isobutanol	2010-03	mg/L																
Isobutanol	2010-06	mg/L																
Isobutanol	2010-08	mg/L																
Isobutanol	2010-09	mg/L																
Isobutanol	2010-12	mg/L																
Isobutanol	2011-03	mg/L																
Isobutanol	2011-06	mg/L																
Isobutanol	2011-09	mg/L																
Isobutanol	2011-12	mg/L																
Isobutanol	2012-03	mg/L																
Isobutanol	2014-12	mg/L																
Isobutanol	2016-10	mg/L									<10					<10	<10	
Isobutanol	2017-10	mg/L																
Isobutanol	2017-12	mg/L			<10													
Isobutanol	2018-07	mg/L								<10								
Isobutanol	2018-10	mg/L								<10								
Isobutanol	2019-05	mg/L		<10														
Isobutanol	2021-10	mg/L																
Isobutanol	2021-12	mg/L	<10															
Isobutanol	2022-10	mg/L			<10													
Isobutanol	2024-04	mg/L		<10														
Isodrin	2009-03	ug/L																
Isodrin	2009-06	ug/L																
Isodrin	2009-09	ug/L																
Isodrin	2009-12	ug/L																
Isodrin	2010-03	ug/L																
Isodrin	2010-06	ug/L																
Isodrin	2010-08	ug/L																
Isodrin	2010-09	ug/L																
Isodrin	2010-12	ug/L																
Isodrin	2011-03	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Isodrin	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Isodrin	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Isodrin	2011-12	ug/L													<10.0	<10.0	<10.0	
Isodrin	2012-03	ug/L														<10.0	<10.0	
Isodrin	2014-12	ug/L															<10.2	
Isodrin	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Isodrin	2017-10	ug/L						<10.5										
Isodrin	2017-12	ug/L					<10.6					<10.4						<10.4
Isodrin	2018-07	ug/L											<10.4					
Isodrin	2018-10	ug/L											<10.4					
Isodrin	2019-05	ug/L																
Isodrin	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Isodrin	2021-12	ug/L																
Isodrin	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Isodrin	2024-04	ug/L											<10.6					
Isophorone	2009-03	ug/L						<10	<10	<10								
Isophorone	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Isophorone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isophorone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isophorone	2010-03	ug/L					<10.0				<10.0			<10.0				
Isophorone	2010-06	ug/L										<10.0						
Isophorone	2010-08	ug/L										<10.0	<10.0					
Isophorone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Isophorone	2010-12	ug/L										<10.0						
Isophorone	2011-03	ug/L											<10.0		<10.0			
Isophorone	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Isophorone	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Isophorone	2011-12	ug/L													<10.0	<10.0	<10.0	
Isophorone	2012-03	ug/L														<10.0	<10.0	
Isophorone	2014-12	ug/L															<10.2	
Isophorone	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Isophorone	2017-10	ug/L						<10.5										
Isophorone	2017-12	ug/L					<10.6					<10.4						<10.4
Isophorone	2018-07	ug/L											<10.4					
Isophorone	2018-10	ug/L											<10.4					
Isophorone	2019-05	ug/L																
Isophorone	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Isophorone	2021-12	ug/L																
Isophorone	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Isophorone	2024-04	ug/L											<10.6					
Isosafrole	2009-03	ug/L						<10	<10	<10								
Isosafrole	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Isosafrole	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isosafrole	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Isosafrole	2010-03	ug/L					<10.0				<10.0			<10.0				
Isosafrole	2010-06	ug/L										<10.0						
Isosafrole	2010-08	ug/L										<10.0	<10.0					
Isosafrole	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Isosafrole	2010-12	ug/L										<10.0						
Isosafrole	2011-03	ug/L											<10.0		<10.0			
Isosafrole	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Isosafrole	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Isosafrole	2011-12	ug/L													<10.0	<10.0	<10.0	
Isosafrole	2012-03	ug/L														<10.0	<10.0	
Isosafrole	2014-12	ug/L															<10.2	
Isosafrole	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Isosafrole	2017-10	ug/L						<10.5										
Isosafrole	2017-12	ug/L					<10.6					<10.4						<10.4

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Isodrin	2011-06	ug/L																
Isodrin	2011-09	ug/L																
Isodrin	2011-12	ug/L																
Isodrin	2012-03	ug/L																
Isodrin	2014-12	ug/L																
Isodrin	2016-10	ug/L									<10.4					<10.3	<10.2	
Isodrin	2017-10	ug/L																
Isodrin	2017-12	ug/L			<10.4													
Isodrin	2018-07	ug/L								<10.1								
Isodrin	2018-10	ug/L								<10.3								
Isodrin	2019-05	ug/L		<10.1														
Isodrin	2021-10	ug/L																
Isodrin	2021-12	ug/L	<10.5															
Isodrin	2022-10	ug/L			<8.77													
Isodrin	2024-04	ug/L		<10.2														
Isophorone	2009-03	ug/L																
Isophorone	2009-06	ug/L																
Isophorone	2009-09	ug/L																
Isophorone	2009-12	ug/L																
Isophorone	2010-03	ug/L																
Isophorone	2010-06	ug/L																
Isophorone	2010-08	ug/L																
Isophorone	2010-09	ug/L																
Isophorone	2010-12	ug/L																
Isophorone	2011-03	ug/L																
Isophorone	2011-06	ug/L																
Isophorone	2011-09	ug/L																
Isophorone	2011-12	ug/L																
Isophorone	2012-03	ug/L																
Isophorone	2014-12	ug/L																
Isophorone	2016-10	ug/L									<10.4					<10.3	<10.2	
Isophorone	2017-10	ug/L																
Isophorone	2017-12	ug/L			<10.4													
Isophorone	2018-07	ug/L								<10.1								
Isophorone	2018-10	ug/L								<10.3								
Isophorone	2019-05	ug/L		<10.1														
Isophorone	2021-10	ug/L																
Isophorone	2021-12	ug/L	<10.5															
Isophorone	2022-10	ug/L			<8.77													
Isophorone	2024-04	ug/L		<10.2														
Isosafrole	2009-03	ug/L																
Isosafrole	2009-06	ug/L																
Isosafrole	2009-09	ug/L																
Isosafrole	2009-12	ug/L																
Isosafrole	2010-03	ug/L																
Isosafrole	2010-06	ug/L																
Isosafrole	2010-08	ug/L																
Isosafrole	2010-09	ug/L																
Isosafrole	2010-12	ug/L																
Isosafrole	2011-03	ug/L																
Isosafrole	2011-06	ug/L																
Isosafrole	2011-09	ug/L																
Isosafrole	2011-12	ug/L																
Isosafrole	2012-03	ug/L																
Isosafrole	2014-12	ug/L																
Isosafrole	2016-10	ug/L									<10.4					<10.3	<10.2	
Isosafrole	2017-10	ug/L																
Isosafrole	2017-12	ug/L			<10.4													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Isosafrole	2018-07	ug/L											<10.4					
Isosafrole	2018-10	ug/L											<10.4					
Isosafrole	2019-05	ug/L																
Isosafrole	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Isosafrole	2021-12	ug/L																
Isosafrole	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Isosafrole	2024-04	ug/L											<10.6					
Kepone	2009-03	ug/L						<10	<10	<10								
Kepone	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Kepone	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Kepone	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Kepone	2010-03	ug/L					<10.0				<10.0			<10.0				
Kepone	2010-06	ug/L										<10.0						
Kepone	2010-08	ug/L										<10.0	<10.0					
Kepone	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Kepone	2010-12	ug/L										<10.0						
Kepone	2011-03	ug/L											<10.0	<10.0				
Kepone	2011-06	ug/L											<10.0	<10.0	<10.0	<10.0	<10.0	
Kepone	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Kepone	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Kepone	2012-03	ug/L														<10.0	<10.0	
Kepone	2014-12	ug/L															<10.2	
Kepone	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Kepone	2017-10	ug/L						<10.5										
Kepone	2017-12	ug/L					<10.6					<10.4						<10.4
Kepone	2018-07	ug/L											<10.4					
Kepone	2018-10	ug/L											<10.4					
Kepone	2019-05	ug/L																
Kepone	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Kepone	2021-12	ug/L																
Kepone	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Kepone	2024-04	ug/L											<10.6					
Lead	2008-01	mg/L					<0.004	<0.004	<0.00400	<b>0.00412</b>	<0.004	<b>0.0128</b>	<0.004	<b>0.0224</b>	<b>0.00501</b>			
Lead	2008-03	mg/L					<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<b>0.00468</b>	<0.00400			
Lead	2008-08	mg/L					<0.004	<0.004	<0.004	<0.004	<b>0.00516</b>	<b>0.0059</b>	<0.004	<b>0.0159</b>	<0.004			
Lead	2008-09	mg/L					<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004			
Lead	2008-10	mg/L					<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004			
Lead	2009-03	mg/L					<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<b>0.00555</b>	<0.004			
Lead	2009-06	mg/L					<0.00400	<0.004	<0.004	<0.00400	<0.004			<0.00400				
Lead	2009-09	mg/L					<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<b>0.00474</b>	<0.00400	<b>0.00449</b>	<0.00400			
Lead	2009-12	mg/L					<0.00400	<0.00400	<0.00400	<0.00400	<0.00400			<b>0.00415</b>				
Lead	2010-03	mg/L					<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<b>0.00623</b>	<0.00400	<0.00400	<0.00400			
Lead	2010-06	mg/L										<0.00400				<0.00400	<0.00400	<0.00400
Lead	2010-08	mg/L										<0.00400	<0.00400			<0.00400	<0.00400	<0.00400
Lead	2010-09	mg/L					<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2010-12	mg/L										<0.00400				<0.00400	<0.00400	<0.00400
Lead	2011-03	mg/L		<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2011-06	mg/L		<0.00400									<0.00400		<0.00400	<0.00400	<0.00400	
Lead	2011-07	mg/L	<0.00400															
Lead	2011-08	mg/L		<0.00400														
Lead	2011-09	mg/L	<0.00400	<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400		<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2011-12	mg/L	<0.00400	<0.00400											<0.00400	<0.00400	<0.00400	
Lead	2012-03	mg/L	<0.00400	<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2012-04	mg/L																
Lead	2012-06	mg/L																
Lead	2012-10	mg/L	<0.00400	<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400		<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<b>0.00751</b>
Lead	2013-03	mg/L	<0.00400	<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400		<0.00400	<0.00400	<0.00400	<0.00400	<b>0.00942</b>
Lead	2013-06	mg/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Isosafrole	2018-07	ug/L								<10.1								
Isosafrole	2018-10	ug/L								<10.3								
Isosafrole	2019-05	ug/L		<10.1														
Isosafrole	2021-10	ug/L																
Isosafrole	2021-12	ug/L	<10.5															
Isosafrole	2022-10	ug/L			<8.77													
Isosafrole	2024-04	ug/L		<10.2														
Kepone	2009-03	ug/L																
Kepone	2009-06	ug/L																
Kepone	2009-09	ug/L																
Kepone	2009-12	ug/L																
Kepone	2010-03	ug/L																
Kepone	2010-06	ug/L																
Kepone	2010-08	ug/L																
Kepone	2010-09	ug/L																
Kepone	2010-12	ug/L																
Kepone	2011-03	ug/L																
Kepone	2011-06	ug/L																
Kepone	2011-09	ug/L																
Kepone	2011-12	ug/L																
Kepone	2012-03	ug/L																
Kepone	2014-12	ug/L																
Kepone	2016-10	ug/L								<10.4						<10.3	<10.2	
Kepone	2017-10	ug/L																
Kepone	2017-12	ug/L		<10.4														
Kepone	2018-07	ug/L								<10.1								
Kepone	2018-10	ug/L								<10.3								
Kepone	2019-05	ug/L		<10.1														
Kepone	2021-10	ug/L																
Kepone	2021-12	ug/L	<10.5															
Kepone	2022-10	ug/L			<8.77													
Kepone	2024-04	ug/L		<10.2														
Lead	2008-01	mg/L																
Lead	2008-03	mg/L																
Lead	2008-08	mg/L																
Lead	2008-09	mg/L																
Lead	2008-10	mg/L																
Lead	2009-03	mg/L																
Lead	2009-06	mg/L																
Lead	2009-09	mg/L																
Lead	2009-12	mg/L																
Lead	2010-03	mg/L																
Lead	2010-06	mg/L	<0.00400	<0.00400														
Lead	2010-08	mg/L	<0.00400	<b>0.00510</b>														
Lead	2010-09	mg/L	<0.00400	<b>0.0112</b>														
Lead	2010-12	mg/L	<0.00400	<0.00400														
Lead	2011-03	mg/L	<0.00400	<b>0.00454</b>														
Lead	2011-06	mg/L																
Lead	2011-07	mg/L																
Lead	2011-08	mg/L																
Lead	2011-09	mg/L	<0.00400	<b>0.0174</b>														
Lead	2011-12	mg/L																
Lead	2012-03	mg/L	<0.00400	<b>0.00780</b>														
Lead	2012-04	mg/L								<b>0.115</b>	<b>0.00881</b>			<b>0.00675</b>		<b>0.0206</b>	<b>0.0560</b>	
Lead	2012-06	mg/L								<b>0.0760</b>	<0.00400			<0.00400		<b>0.0163</b>	<b>0.0231</b>	
Lead	2012-10	mg/L								<0.00400				<b>0.00622</b>		<b>0.00459</b>	<b>0.00952</b>	
Lead	2013-03	mg/L	<b>0.00143</b>							<b>0.0140</b>						<b>0.0269</b>	<b>0.00554</b>	
Lead	2013-06	mg/L			<b>0.00569</b>													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Lead	2013-09	mg/L	<0.00400	<0.00400			<0.00400	<b>0.00277</b>	<0.00400	<0.00400	<0.00400	<0.00400		<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2013-11	mg/L																
Lead	2014-03	mg/L	<0.00400	<0.00400			<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400
Lead	2014-06	mg/L																
Lead	2014-09	mg/L	<0.0005	<0.0005			<0.000500	<0.000500	<0.000500	<0.000500	<0.0005	<0.0005	<b>0.000157</b>	<b>0.000138</b>	<b>0.000161</b>	<b>0.000155</b>	<0.000500	<b>0.000642</b>
Lead	2014-12	mg/L																<0.000500
Lead	2015-04	mg/L	<b>0.000201</b>	<0.0005			<0.001	<0.000500	<b>0.000318</b>	<0.0005	<0.0005	<b>0.000220</b>	<b>0.000330</b>			<b>0.000177</b>	<0.0005	<0.0005
Lead	2015-10	mg/L	<0.004	<0.004			<b>0.00021 J</b>	<b>0.00018 J</b>	<b>0.000118 J</b>	<0.004	<0.004	<b>0.00022 J</b>				<b>0.000118 J</b>	<0.004	<0.004
Lead	2016-04	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
Lead	2016-10	mg/L	<0.0005	<0.0005			<b>0.000781</b>	<b>0.000464 J</b>	<0.0005	<0.0005	<b>0.000621</b>	<b>0.000966</b>	<0.0005			<b>0.000369 J</b>	<b>0.000493 J</b>	<0.0005
Lead	2017-03	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
Lead	2017-10	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005				<0.0005	<b>0.000414 J</b>	<0.0005
Lead	2017-12	mg/L					<0.0005											<b>0.000663</b>
Lead	2018-04	mg/L	<0.0005	<b>0.00125</b>	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<b>0.000325 J</b>
Lead	2018-07	mg/L																
Lead	2018-10	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<b>0.000457 J</b>	<b>0.000321 J</b>	<0.0005	<0.0005			<0.0005	<0.0005	<b>0.000569</b>
Lead	2019-01	mg/L																
Lead	2019-03	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
Lead	2019-05	mg/L																
Lead	2019-10	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<b>0.00035 J</b>
Lead	2020-03	mg/L	<b>0.000943</b>	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005
Lead	2020-09	mg/L	<b>0.000415 J</b>	<0.0005			<b>0.000118 J</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005
Lead	2020-11	mg/L	<b>0.00387</b>															
Lead	2020-12	mg/L	<0.0005															
Lead	2021-03	mg/L	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.000444 J</b>			<0.0005	<0.0005	<0.0005
Lead	2021-05	mg/L																
Lead	2021-08	mg/L																
Lead	2021-10	mg/L	<0.0005	<0.0005	<0.0005		<b>0.000738</b>	<b>0.000264 J</b>	<b>0.000326 J</b>	<0.0005	<0.0005	<0.0005	<0.0005			<b>0.000704</b>	<0.0005	<0.0005
Lead	2021-12	mg/L																
Lead	2022-02	mg/L	<b>0.000291 J</b>		<0.0005	<0.0005												
Lead	2022-04	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.00194</b>			<0.0005	<0.0005	<0.0005
Lead	2022-07	mg/L			<0.0005	<b>0.000526</b>												
Lead	2022-10	mg/L	<0.0005	<b>0.00125</b>	<0.0005	<0.0005	<b>0.000644</b>	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.000279 J</b>				<0.0005	<0.0005	<0.0005
Lead	2022-12	mg/L		<0.0005														
Lead	2023-04	mg/L	<b>0.000261 J</b>	<b>0.000274 J</b>		<0.0005	<b>0.000278 J</b>	<b>0.000255 J</b>	<0.0005	<0.0005	<0.0005	<b>0.000324 J</b>	<0.0005			<0.0005	<0.0005	<0.0005
Lead	2023-05	mg/L			<0.0005													
Lead	2023-10	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.000641</b>	<0.0005	<0.0005	<0.0005	<0.0005				<0.0005	<b>0.000829</b>	<0.0005
Lead	2024-04	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
Lead	2024-05	mg/L																
Lead	2024-09	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
Lindane (BHC, Gamma-)	2009-03	ug/L																
Lindane (BHC, Gamma-)	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032	<0.0320		<0.0320				
Lindane (BHC, Gamma-)	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320				
Lindane (BHC, Gamma-)	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320				
Lindane (BHC, Gamma-)	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Lindane (BHC, Gamma-)	2010-06	ug/L										<0.0320						
Lindane (BHC, Gamma-)	2010-08	ug/L										<0.0320	<0.0320					
Lindane (BHC, Gamma-)	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Lindane (BHC, Gamma-)	2010-12	ug/L										<0.0320						
Lindane (BHC, Gamma-)	2011-03	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Lindane (BHC, Gamma-)	2011-06	ug/L										<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	<0.0320
Lindane (BHC, Gamma-)	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	<0.0320
Lindane (BHC, Gamma-)	2011-12	ug/L												<0.0320	<0.0320	<0.0320	<0.0320	<0.0320
Lindane (BHC, Gamma-)	2012-03	ug/L														<0.0320	<0.0320	<0.0320
Lindane (BHC, Gamma-)	2014-12	ug/L																<b>0.00220</b>
Lindane (BHC, Gamma-)	2016-10	ug/L							<0.033	<0.032	<0.0344				<0.033	<0.033		
Lindane (BHC, Gamma-)	2017-10	ug/L						<b>0.00344 J</b>										
Lindane (BHC, Gamma-)	2017-12	ug/L					<0.0333					<0.0333						<0.0333

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Lead	2013-09	mg/L	0.00745	0.00334	0.0118						0.0191					0.0245	0.00112	
Lead	2013-11	mg/L			0.0114													
Lead	2014-03	mg/L	<0.00400		0.00399						0.0105					0.0133	0.00348	
Lead	2014-06	mg/L		<0.00400	0.00677													
Lead	2014-09	mg/L	0.000291	<0.0005	0.00231						0.00404					0.00275	0.00365	
Lead	2014-12	mg/L																
Lead	2015-04	mg/L	0.000945	<0.000500	0.000203						0.00081					<0.000500	0.00111	
Lead	2015-10	mg/L	0.000117 J	<0.004	0.00019 J						0.000211 J					<0.004	<0.004	
Lead	2016-04	mg/L	<0.0005	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Lead	2016-10	mg/L	0.0011	0.00246	0.000278 J						<0.0005					0.000211 J	<0.0005	
Lead	2017-03	mg/L	<0.0005	<0.0005	<0.0005						<0.0005					<0.0005	<0.0005	
Lead	2017-10	mg/L	<0.0005	<0.0005	<0.0005						<0.0005					<0.0005	0.000768	
Lead	2017-12	mg/L			<0.0005													
Lead	2018-04	mg/L	<0.0005	<0.0005	<0.0005						0.00165					<0.0005	<0.0005	
Lead	2018-07	mg/L								<0.0005								
Lead	2018-10	mg/L	<0.0005	<0.0005	0.000266 J					<0.0005	0.00687					<0.0005	<0.0005	
Lead	2019-01	mg/L								<0.0005								
Lead	2019-03	mg/L	<0.0005	<0.0005	<0.0005					<0.0005	0.00063					<0.0005	<0.0005	
Lead	2019-05	mg/L		<0.0005						<0.0005								
Lead	2019-10	mg/L	<0.0005	<0.0005	<0.0005					<0.0005	0.00128					<0.0005	<0.0005	
Lead	2020-03	mg/L	<0.0005	0.000355 J	<0.0005					<0.0005	0.000775					<0.0005	<0.0005	
Lead	2020-09	mg/L	<0.0005	<0.0005	<0.0005					<0.0005	0.00034 J					<0.0005	<0.0005	
Lead	2020-11	mg/L																
Lead	2020-12	mg/L																
Lead	2021-03	mg/L	0.000476 J	<0.0005	0.000275 J			<0.0005	0.00296	<0.0005	0.00048 J					<0.0005	<0.0005	
Lead	2021-05	mg/L	0.000703															
Lead	2021-08	mg/L						0.000635	0.00205									
Lead	2021-10	mg/L	<0.0005	<0.0005	<0.0005			<0.0005	0.00589	<0.0005	0.00704							
Lead	2021-12	mg/L	<0.0005															
Lead	2022-02	mg/L						0.00234	0.00666									
Lead	2022-04	mg/L	<0.0035	<0.0005	<0.0005			<0.0005	0.000554	<0.0005	0.000332 J							
Lead	2022-07	mg/L																
Lead	2022-10	mg/L	<0.0005	<0.0005	<0.0005			<0.0005	0.000299 J	<0.0005	0.00363							
Lead	2022-12	mg/L																
Lead	2023-04	mg/L	<0.0005	<0.0005	<0.0005			<0.0005	0.00101	<0.0005	0.00229							
Lead	2023-05	mg/L																
Lead	2023-10	mg/L	<0.0005	<0.0005	<0.0005			0.00083	0.00177	<0.0005	0.000438 J							
Lead	2024-04	mg/L	<0.0005	<0.0005	<0.0005			0.00412	0.000581	<0.0005	0.000881							
Lead	2024-05	mg/L						0.000365 J										
Lead	2024-09	mg/L	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	0.000482 J	<0.0005	0.00186	<0.0005	0.000425 J	<0.0005	<0.0005	<0.0005
Lindane (BHC, Gamma-)	2009-03	ug/L																
Lindane (BHC, Gamma-)	2009-06	ug/L																
Lindane (BHC, Gamma-)	2009-09	ug/L																
Lindane (BHC, Gamma-)	2009-12	ug/L																
Lindane (BHC, Gamma-)	2010-03	ug/L																
Lindane (BHC, Gamma-)	2010-06	ug/L																
Lindane (BHC, Gamma-)	2010-08	ug/L																
Lindane (BHC, Gamma-)	2010-09	ug/L																
Lindane (BHC, Gamma-)	2010-12	ug/L																
Lindane (BHC, Gamma-)	2011-03	ug/L																
Lindane (BHC, Gamma-)	2011-06	ug/L																
Lindane (BHC, Gamma-)	2011-09	ug/L																
Lindane (BHC, Gamma-)	2011-12	ug/L																
Lindane (BHC, Gamma-)	2012-03	ug/L																
Lindane (BHC, Gamma-)	2014-12	ug/L																
Lindane (BHC, Gamma-)	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Lindane (BHC, Gamma-)	2017-10	ug/L																
Lindane (BHC, Gamma-)	2017-12	ug/L			<0.0333													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Lindane (BHC, Gamma-)	2018-07	ug/L											<0.0333					
Lindane (BHC, Gamma-)	2018-10	ug/L											0.00218 J					
Lindane (BHC, Gamma-)	2019-05	ug/L																
Lindane (BHC, Gamma-)	2021-10	ug/L						<0.0337	<0.0337	<0.0337					<0.0337	<0.0337		
Lindane (BHC, Gamma-)	2021-12	ug/L																
Lindane (BHC, Gamma-)	2022-02	ug/L																
Lindane (BHC, Gamma-)	2022-04	ug/L																
Lindane (BHC, Gamma-)	2022-07	ug/L																
Lindane (BHC, Gamma-)	2022-10	ug/L					<0.0542	<0.0561			<0.0542							<0.0582
Lindane (BHC, Gamma-)	2023-04	ug/L									<0.064							
Lindane (BHC, Gamma-)	2023-10	ug/L																
Lindane (BHC, Gamma-)	2024-04	ug/L											<0.064					
Lindane (BHC, Gamma-)	2024-09	ug/L																
m/p-Cresol	2009-03	ug/L						<10	<10	<10								
m/p-Cresol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
m/p-Cresol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
m/p-Cresol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
m/p-Cresol	2010-03	ug/L					<10.0				<10.0			<10.0				
m/p-Cresol	2010-06	ug/L										<10.0						
m/p-Cresol	2010-08	ug/L										<10.0	<10.0					
m/p-Cresol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
m/p-Cresol	2010-12	ug/L										<10.0						
m/p-Cresol	2011-03	ug/L											<10.0		<10.0			
m/p-Cresol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
m/p-Cresol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
m/p-Cresol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
m/p-Cresol	2012-03	ug/L													<10.0	<10.0	<10.0	
m/p-Cresol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
m/p-Cresol	2017-10	ug/L						<10.5										
m/p-Cresol	2017-12	ug/L					<10.6					<10.4						<10.4
m/p-Cresol	2018-07	ug/L											<10.4					
m/p-Cresol	2018-10	ug/L											<10.4					
m/p-Cresol	2019-05	ug/L																
m/p-Cresol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
m/p-Cresol	2021-12	ug/L																
m/p-Cresol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
m/p-Cresol	2024-04	ug/L											<10.6					
Mercury	2009-03	mg/L						<0.0002	<0.0002	<0.0002								
Mercury	2009-06	mg/L					<0.000200	<0.0002	<0.0002	<0.000200	<0.0002			<0.000200				
Mercury	2009-09	mg/L					<0.000200	<0.000200	<0.000200	<0.000200	<0.000200			<0.000200				
Mercury	2009-12	mg/L					<0.000200	<0.000200	<0.000200	<0.000200	<0.000200			<0.000200				
Mercury	2010-03	mg/L					<0.000200				<0.000200			<0.000200				
Mercury	2010-06	mg/L										<0.000200						
Mercury	2010-08	mg/L										<0.000200	<0.000200					
Mercury	2010-09	mg/L					<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00300				
Mercury	2010-12	mg/L										<0.000200						
Mercury	2011-03	mg/L					<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200			
Mercury	2011-06	mg/L											<0.000200		<0.000200	<0.000200	<0.000200	
Mercury	2011-09	mg/L					<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200		<0.000200	<0.000200	<0.000200	<0.000200	
Mercury	2011-12	mg/L													<0.000200	<0.000200	<0.000200	
Mercury	2012-03	mg/L														<0.000200	<0.000200	
Mercury	2013-03	mg/L																
Mercury	2013-09	mg/L																
Mercury	2014-03	mg/L																
Mercury	2014-12	mg/L																0.000346
Mercury	2015-04	mg/L																<0.0002
Mercury	2015-10	mg/L																<0.0002
Mercury	2016-04	mg/L																<0.0002

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Lindane (BHC, Gamma-)	2018-07	ug/L								<0.0323								
Lindane (BHC, Gamma-)	2018-10	ug/L								<0.033								
Lindane (BHC, Gamma-)	2019-05	ug/L		<0.0327														
Lindane (BHC, Gamma-)	2021-10	ug/L																
Lindane (BHC, Gamma-)	2021-12	ug/L	0.0345															
Lindane (BHC, Gamma-)	2022-02	ug/L	<0.064															
Lindane (BHC, Gamma-)	2022-04	ug/L	<0.064															
Lindane (BHC, Gamma-)	2022-07	ug/L	<0.064															
Lindane (BHC, Gamma-)	2022-10	ug/L	<0.0667		<0.0542													
Lindane (BHC, Gamma-)	2023-04	ug/L	<0.064															
Lindane (BHC, Gamma-)	2023-10	ug/L	<0.064															
Lindane (BHC, Gamma-)	2024-04	ug/L	<0.064	<0.064														
Lindane (BHC, Gamma-)	2024-09	ug/L	< 0.0962							< 0.0956	< 0.0919							
m/p-Cresol	2009-03	ug/L																
m/p-Cresol	2009-06	ug/L																
m/p-Cresol	2009-09	ug/L																
m/p-Cresol	2009-12	ug/L																
m/p-Cresol	2010-03	ug/L																
m/p-Cresol	2010-06	ug/L																
m/p-Cresol	2010-08	ug/L																
m/p-Cresol	2010-09	ug/L																
m/p-Cresol	2010-12	ug/L																
m/p-Cresol	2011-03	ug/L																
m/p-Cresol	2011-06	ug/L																
m/p-Cresol	2011-09	ug/L																
m/p-Cresol	2011-12	ug/L																
m/p-Cresol	2012-03	ug/L																
m/p-Cresol	2016-10	ug/L									<10.4					<10.3	<10.2	
m/p-Cresol	2017-10	ug/L																
m/p-Cresol	2017-12	ug/L			<10.4													
m/p-Cresol	2018-07	ug/L								0.962 J								
m/p-Cresol	2018-10	ug/L								<10.3								
m/p-Cresol	2019-05	ug/L		<10.1														
m/p-Cresol	2021-10	ug/L																
m/p-Cresol	2021-12	ug/L	<10.5															
m/p-Cresol	2022-10	ug/L			<8.77													
m/p-Cresol	2024-04	ug/L		<10.2														
Mercury	2009-03	mg/L																
Mercury	2009-06	mg/L																
Mercury	2009-09	mg/L																
Mercury	2009-12	mg/L																
Mercury	2010-03	mg/L																
Mercury	2010-06	mg/L																
Mercury	2010-08	mg/L																
Mercury	2010-09	mg/L																
Mercury	2010-12	mg/L																
Mercury	2011-03	mg/L																
Mercury	2011-06	mg/L																
Mercury	2011-09	mg/L																
Mercury	2011-12	mg/L																
Mercury	2012-03	mg/L																
Mercury	2013-03	mg/L														0.000385	< 0.000200	
Mercury	2013-09	mg/L														< 0.000200	< 0.000200	
Mercury	2014-03	mg/L														< 0.000200	< 0.000200	
Mercury	2014-12	mg/L																
Mercury	2015-04	mg/L								< 0.0002						< 0.000200	< 0.000200	
Mercury	2015-10	mg/L								< 0.0002						< 0.0002	< 0.0002	
Mercury	2016-04	mg/L																



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Mercury	2016-10	mg/L							<0.0002	<0.0002	<0.0002					<0.0002	<0.0002	
Mercury	2017-03	mg/L															<0.0002	
Mercury	2017-10	mg/L						<0.0002									<0.0002	
Mercury	2017-12	mg/L					<0.0002					<0.0002						<0.0002
Mercury	2018-04	mg/L															<0.0002	
Mercury	2018-07	mg/L											<0.0002					
Mercury	2018-10	mg/L											<0.0002				<0.0002	
Mercury	2019-03	mg/L															<0.0002	
Mercury	2019-05	mg/L																
Mercury	2019-10	mg/L															<0.0002	
Mercury	2021-10	mg/L						<0.0002	<0.0002	<0.0002						<0.0002	<0.0002	
Mercury	2021-12	mg/L																
Mercury	2022-10	mg/L					<0.0002	<0.0002				<0.0002						<0.0002
Mercury	2024-04	mg/L											<0.0002					
Methacrylonitrile	2009-03	ug/L						<1	<1	<1								
Methacrylonitrile	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Methacrylonitrile	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
Methacrylonitrile	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
Methacrylonitrile	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
Methacrylonitrile	2010-06	ug/L										<1.00						
Methacrylonitrile	2010-08	ug/L										<1.00	<1.00					
Methacrylonitrile	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
Methacrylonitrile	2010-12	ug/L										<1.00						
Methacrylonitrile	2011-03	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00			
Methacrylonitrile	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00							<1.00
Methacrylonitrile	2011-06	ug/L										<1.00		<1.00	<1.00	<1.00	<1.00	
Methacrylonitrile	2011-09	ug/L					<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	
Methacrylonitrile	2011-12	ug/L												<1.00	<1.00	<1.00	<1.00	
Methacrylonitrile	2012-03	ug/L												<1.00	<1.00	<1.00	<1.00	
Methacrylonitrile	2014-12	ug/L															<10.0	
Methacrylonitrile	2016-10	ug/L							<10	<10	<10					<10	<10	
Methacrylonitrile	2017-10	ug/L						<10										
Methacrylonitrile	2017-12	ug/L					<10					<10						<10
Methacrylonitrile	2018-07	ug/L											<10					
Methacrylonitrile	2018-10	ug/L											<10					
Methacrylonitrile	2019-05	ug/L																
Methacrylonitrile	2021-10	ug/L							<10	<10	<10					<10	<10	
Methacrylonitrile	2021-12	ug/L																
Methacrylonitrile	2022-10	ug/L					<10	<10				<10						<10
Methacrylonitrile	2024-04	ug/L											<10					
Methapyrilene	2009-03	ug/L						<10	<10	<10								
Methapyrilene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Methapyrilene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methapyrilene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methapyrilene	2010-03	ug/L					<10.0				<10.0			<10.0				
Methapyrilene	2010-06	ug/L										<10.0						
Methapyrilene	2010-08	ug/L										<10.0	<10.0					
Methapyrilene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Methapyrilene	2010-12	ug/L										<10.0						
Methapyrilene	2011-03	ug/L											<10.0		<10.0			
Methapyrilene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Methapyrilene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Methapyrilene	2011-12	ug/L												<10.0		<10.0	<10.0	
Methapyrilene	2012-03	ug/L														<10.0	<10.0	
Methapyrilene	2014-12	ug/L															<10.2	
Methapyrilene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Methapyrilene	2017-10	ug/L						<10.5										
Methapyrilene	2017-12	ug/L					<10.6					<10.4						<10.4

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Mercury	2016-10	mg/L									<0.0002					<0.0002	<0.0002	
Mercury	2017-03	mg/L																
Mercury	2017-10	mg/L									<0.0002					<0.0002	<0.0002	
Mercury	2017-12	mg/L			<0.0002													
Mercury	2018-04	mg/L																
Mercury	2018-07	mg/L								<0.0002								
Mercury	2018-10	mg/L								<0.0002								
Mercury	2019-03	mg/L																
Mercury	2019-05	mg/L		<0.0002														
Mercury	2019-10	mg/L																
Mercury	2021-10	mg/L																
Mercury	2021-12	mg/L	<0.0002															
Mercury	2022-10	mg/L			<0.0002													
Mercury	2024-04	mg/L		<0.0002														
Methacrylonitrile	2009-03	ug/L																
Methacrylonitrile	2009-06	ug/L																
Methacrylonitrile	2009-09	ug/L																
Methacrylonitrile	2009-12	ug/L																
Methacrylonitrile	2010-03	ug/L																
Methacrylonitrile	2010-06	ug/L																
Methacrylonitrile	2010-08	ug/L																
Methacrylonitrile	2010-09	ug/L																
Methacrylonitrile	2010-12	ug/L																
Methacrylonitrile	2011-03	ug/L																
Methacrylonitrile	2011-04	ug/L																
Methacrylonitrile	2011-06	ug/L																
Methacrylonitrile	2011-09	ug/L																
Methacrylonitrile	2011-12	ug/L																
Methacrylonitrile	2012-03	ug/L																
Methacrylonitrile	2014-12	ug/L																
Methacrylonitrile	2016-10	ug/L									<10					<10	<10	
Methacrylonitrile	2017-10	ug/L																
Methacrylonitrile	2017-12	ug/L			<10													
Methacrylonitrile	2018-07	ug/L								<10								
Methacrylonitrile	2018-10	ug/L								<10								
Methacrylonitrile	2019-05	ug/L		<10														
Methacrylonitrile	2021-10	ug/L																
Methacrylonitrile	2021-12	ug/L	<10															
Methacrylonitrile	2022-10	ug/L			<10													
Methacrylonitrile	2024-04	ug/L		<10														
Methapyrilene	2009-03	ug/L																
Methapyrilene	2009-06	ug/L																
Methapyrilene	2009-09	ug/L																
Methapyrilene	2009-12	ug/L																
Methapyrilene	2010-03	ug/L																
Methapyrilene	2010-06	ug/L																
Methapyrilene	2010-08	ug/L																
Methapyrilene	2010-09	ug/L																
Methapyrilene	2010-12	ug/L																
Methapyrilene	2011-03	ug/L																
Methapyrilene	2011-06	ug/L																
Methapyrilene	2011-09	ug/L																
Methapyrilene	2011-12	ug/L																
Methapyrilene	2012-03	ug/L																
Methapyrilene	2014-12	ug/L																
Methapyrilene	2016-10	ug/L									<10.4					<10.3	<10.2	
Methapyrilene	2017-10	ug/L																
Methapyrilene	2017-12	ug/L			<10.4													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Methapyrilene	2018-07	ug/L											<10.4					
Methapyrilene	2018-10	ug/L											<10.4					
Methapyrilene	2019-05	ug/L																
Methapyrilene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Methapyrilene	2021-12	ug/L																
Methapyrilene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Methapyrilene	2024-04	ug/L											<10.6					
Methoxychlor	2009-03	ug/L						<0.032	<0.032	<0.032								
Methoxychlor	2009-06	ug/L					<0.0320	<0.032	<0.032	<0.0320	<0.032			<0.0320				
Methoxychlor	2009-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Methoxychlor	2009-12	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			<0.0320				
Methoxychlor	2010-03	ug/L					<0.0320				<0.0320			<0.0320				
Methoxychlor	2010-06	ug/L										<0.0320						
Methoxychlor	2010-08	ug/L										<0.0320	<0.0320					
Methoxychlor	2010-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320				
Methoxychlor	2010-12	ug/L										<0.0320						
Methoxychlor	2011-03	ug/L						<b>0.259</b>	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320			
Methoxychlor	2011-06	ug/L											<0.0320	<0.0320	<0.0320	<0.0392	<0.0320	
Methoxychlor	2011-09	ug/L					<0.0320	<0.0320	<0.0320	<0.0320	<0.0320	<0.0320		<0.0320	<0.0320	<0.0320	<0.0320	
Methoxychlor	2011-12	ug/L													<0.0320	<0.0320	<0.0320	
Methoxychlor	2012-03	ug/L						<0.0320								<0.0320	<0.0320	
Methoxychlor	2012-10	ug/L						<b>0.0618 J</b>										
Methoxychlor	2013-03	ug/L						<b>0.0187</b>										
Methoxychlor	2013-09	ug/L																
Methoxychlor	2014-12	ug/L																<0.0352
Methoxychlor	2016-10	ug/L							<0.033	<0.032	<0.0344					<0.033	<0.033	
Methoxychlor	2017-10	ug/L						<b>0.022 J</b>										
Methoxychlor	2017-12	ug/L					<0.0333					<b>0.0231 J</b>						<b>0.0138 J</b>
Methoxychlor	2018-07	ug/L											<0.0333					
Methoxychlor	2018-10	ug/L											<b>0.00563 J</b>					
Methoxychlor	2019-05	ug/L																
Methoxychlor	2021-10	ug/L							<0.0337	<0.0337	<0.0337					<0.0337	<0.0337	
Methoxychlor	2021-12	ug/L																
Methoxychlor	2022-10	ug/L					<0.0542	<0.0561					<b>0.0432 J</b>					<0.0582
Methoxychlor	2023-04	ug/L									<0.064							
Methoxychlor	2024-04	ug/L											<0.064					
Methyl Methacrylate	2009-03	ug/L						<2	<2	<2								
Methyl Methacrylate	2009-06	ug/L					<10.0	<2	<2	<2.00	<2			<2.00				
Methyl Methacrylate	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Methyl Methacrylate	2009-12	ug/L					<5.00	<5.00	<5.00	<2.00	<2.00			<2.00				
Methyl Methacrylate	2010-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Methyl Methacrylate	2010-06	ug/L										<4.00						
Methyl Methacrylate	2010-08	ug/L										<20.0	<20.0					
Methyl Methacrylate	2010-09	ug/L					<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0				
Methyl Methacrylate	2010-12	ug/L										<5.00						
Methyl Methacrylate	2011-03	ug/L					<2.00	<2.00	<2.00	<20.0	<2.00	<2.00	<2.00	<2.00	<2.00			
Methyl Methacrylate	2011-04	ug/L					<2.00		<2.00	<20.0	<2.00						<2.00	
Methyl Methacrylate	2011-06	ug/L										<2.00		<2.00	<2.00	<2.00	<2.00	
Methyl Methacrylate	2011-09	ug/L					<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	
Methyl Methacrylate	2011-12	ug/L												<2.00	<2.00	<2.00	<2.00	
Methyl Methacrylate	2012-03	ug/L												<2.00	<2.00	<2.00	<2.00	
Methyl Methacrylate	2014-12	ug/L																<2.00
Methyl Methacrylate	2016-10	ug/L							<2	<2	<2					<2	<2	
Methyl Methacrylate	2017-10	ug/L						<2										
Methyl Methacrylate	2017-12	ug/L					<2					<2						<2
Methyl Methacrylate	2018-07	ug/L											<2					
Methyl Methacrylate	2018-10	ug/L											<2					
Methyl Methacrylate	2019-05	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Methapyrilene	2018-07	ug/L								<10.1								
Methapyrilene	2018-10	ug/L								<10.3								
Methapyrilene	2019-05	ug/L		<10.1														
Methapyrilene	2021-10	ug/L																
Methapyrilene	2021-12	ug/L	<10.5															
Methapyrilene	2022-10	ug/L			<8.77													
Methapyrilene	2024-04	ug/L		<10.2														
Methoxychlor	2009-03	ug/L																
Methoxychlor	2009-06	ug/L																
Methoxychlor	2009-09	ug/L																
Methoxychlor	2009-12	ug/L																
Methoxychlor	2010-03	ug/L																
Methoxychlor	2010-06	ug/L																
Methoxychlor	2010-08	ug/L																
Methoxychlor	2010-09	ug/L																
Methoxychlor	2010-12	ug/L																
Methoxychlor	2011-03	ug/L																
Methoxychlor	2011-06	ug/L																
Methoxychlor	2011-09	ug/L																
Methoxychlor	2011-12	ug/L																
Methoxychlor	2012-03	ug/L																
Methoxychlor	2012-10	ug/L																
Methoxychlor	2013-03	ug/L									<0.0330							
Methoxychlor	2013-09	ug/L									<0.0330							
Methoxychlor	2014-12	ug/L																
Methoxychlor	2016-10	ug/L									<0.0333					<0.0333	<0.0333	
Methoxychlor	2017-10	ug/L																
Methoxychlor	2017-12	ug/L			0.00247 J													
Methoxychlor	2018-07	ug/L								<0.0323								
Methoxychlor	2018-10	ug/L								<0.033								
Methoxychlor	2019-05	ug/L		<0.0327														
Methoxychlor	2021-10	ug/L																
Methoxychlor	2021-12	ug/L	<0.0337															
Methoxychlor	2022-10	ug/L			<0.0542													
Methoxychlor	2023-04	ug/L	<0.064															
Methoxychlor	2024-04	ug/L		<0.064														
Methyl Methacrylate	2009-03	ug/L																
Methyl Methacrylate	2009-06	ug/L																
Methyl Methacrylate	2009-09	ug/L																
Methyl Methacrylate	2009-12	ug/L																
Methyl Methacrylate	2010-03	ug/L																
Methyl Methacrylate	2010-06	ug/L																
Methyl Methacrylate	2010-08	ug/L																
Methyl Methacrylate	2010-09	ug/L																
Methyl Methacrylate	2010-12	ug/L																
Methyl Methacrylate	2011-03	ug/L																
Methyl Methacrylate	2011-04	ug/L																
Methyl Methacrylate	2011-06	ug/L																
Methyl Methacrylate	2011-09	ug/L																
Methyl Methacrylate	2011-12	ug/L																
Methyl Methacrylate	2012-03	ug/L																
Methyl Methacrylate	2014-12	ug/L																
Methyl Methacrylate	2016-10	ug/L									<2					<2	<2	
Methyl Methacrylate	2017-10	ug/L																
Methyl Methacrylate	2017-12	ug/L			<2													
Methyl Methacrylate	2018-07	ug/L								<2								
Methyl Methacrylate	2018-10	ug/L								<2								
Methyl Methacrylate	2019-05	ug/L		<2														

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Methyl Methacrylate	2021-10	ug/L							<2	<2	<2					<2	<2	
Methyl Methacrylate	2021-12	ug/L																
Methyl Methacrylate	2022-10	ug/L					<2	<2				<2						<2
Methyl Methacrylate	2024-04	ug/L											<2					
Methyl Methanesulfonate	2009-03	ug/L						<10	<10	<10								
Methyl Methanesulfonate	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Methyl Methanesulfonate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methyl Methanesulfonate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methyl Methanesulfonate	2010-03	ug/L					<10.0				<10.0			<10.0				
Methyl Methanesulfonate	2010-06	ug/L										<10.0						
Methyl Methanesulfonate	2010-08	ug/L										<10.0	<10.0					
Methyl Methanesulfonate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Methyl Methanesulfonate	2010-12	ug/L										<10.0						
Methyl Methanesulfonate	2011-03	ug/L											<10.0		<10.0			
Methyl Methanesulfonate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Methyl Methanesulfonate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Methyl Methanesulfonate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Methyl Methanesulfonate	2012-03	ug/L													<10.0	<10.0		
Methyl Methanesulfonate	2014-12	ug/L																<10.2
Methyl Methanesulfonate	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
Methyl Methanesulfonate	2017-10	ug/L						<10.5										
Methyl Methanesulfonate	2017-12	ug/L					<10.6					<10.4						<10.4
Methyl Methanesulfonate	2018-07	ug/L											<10.4					
Methyl Methanesulfonate	2018-10	ug/L											<10.4					
Methyl Methanesulfonate	2019-05	ug/L																
Methyl Methanesulfonate	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Methyl Methanesulfonate	2021-12	ug/L																
Methyl Methanesulfonate	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Methyl Methanesulfonate	2024-04	ug/L											<10.6					
Methyl Parathion	2009-03	ug/L						<10	<10	<10								
Methyl Parathion	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Methyl Parathion	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methyl Parathion	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Methyl Parathion	2010-03	ug/L					<10.0				<10.0			<10.0				
Methyl Parathion	2010-06	ug/L										<10.0						
Methyl Parathion	2010-08	ug/L										<10.0	<10.0					
Methyl Parathion	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Methyl Parathion	2010-12	ug/L										<10.0						
Methyl Parathion	2011-03	ug/L											<10.0		<10.0			
Methyl Parathion	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Methyl Parathion	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Methyl Parathion	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Methyl Parathion	2012-03	ug/L													<10.0	<10.0	<10.0	
Methyl Parathion	2014-12	ug/L																<10.2
Methyl Parathion	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
Methyl Parathion	2017-10	ug/L						<10.5										
Methyl Parathion	2017-12	ug/L					<10.6					<10.4						<10.4
Methyl Parathion	2018-07	ug/L											<10.4					
Methyl Parathion	2018-10	ug/L											<10.4					
Methyl Parathion	2019-05	ug/L																
Methyl Parathion	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Methyl Parathion	2021-12	ug/L																
Methyl Parathion	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
Methyl Parathion	2024-04	ug/L											<10.6					
Methylene Chloride	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5	<5			
Methylene Chloride	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
Methylene Chloride	2008-08	ug/L					<b>0.5</b>	<b>0.58</b>	<b>0.69</b>	<b>1.04</b>	<b>0.74</b>	<5	<b>0.51</b>	<b>0.48</b>	<b>0.52</b>			
Methylene Chloride	2008-09	ug/L					<5	<5	<5	<b>0.78</b>	<5	<5	<5	<5	<5			

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Methyl Methacrylate	2021-10	ug/L																
Methyl Methacrylate	2021-12	ug/L	<2															
Methyl Methacrylate	2022-10	ug/L			<2													
Methyl Methacrylate	2024-04	ug/L		<2														
Methyl Methanesulfonate	2009-03	ug/L																
Methyl Methanesulfonate	2009-06	ug/L																
Methyl Methanesulfonate	2009-09	ug/L																
Methyl Methanesulfonate	2009-12	ug/L																
Methyl Methanesulfonate	2010-03	ug/L																
Methyl Methanesulfonate	2010-06	ug/L																
Methyl Methanesulfonate	2010-08	ug/L																
Methyl Methanesulfonate	2010-09	ug/L																
Methyl Methanesulfonate	2010-12	ug/L																
Methyl Methanesulfonate	2011-03	ug/L																
Methyl Methanesulfonate	2011-06	ug/L																
Methyl Methanesulfonate	2011-09	ug/L																
Methyl Methanesulfonate	2011-12	ug/L																
Methyl Methanesulfonate	2012-03	ug/L																
Methyl Methanesulfonate	2014-12	ug/L																
Methyl Methanesulfonate	2016-10	ug/L									<10.4					<10.3	<10.2	
Methyl Methanesulfonate	2017-10	ug/L																
Methyl Methanesulfonate	2017-12	ug/L			<10.4													
Methyl Methanesulfonate	2018-07	ug/L								<10.1								
Methyl Methanesulfonate	2018-10	ug/L								<10.3								
Methyl Methanesulfonate	2019-05	ug/L		<10.1														
Methyl Methanesulfonate	2021-10	ug/L																
Methyl Methanesulfonate	2021-12	ug/L	<10.5															
Methyl Methanesulfonate	2022-10	ug/L			<8.77													
Methyl Methanesulfonate	2024-04	ug/L		<10.2														
Methyl Parathion	2009-03	ug/L																
Methyl Parathion	2009-06	ug/L																
Methyl Parathion	2009-09	ug/L																
Methyl Parathion	2009-12	ug/L																
Methyl Parathion	2010-03	ug/L																
Methyl Parathion	2010-06	ug/L																
Methyl Parathion	2010-08	ug/L																
Methyl Parathion	2010-09	ug/L																
Methyl Parathion	2010-12	ug/L																
Methyl Parathion	2011-03	ug/L																
Methyl Parathion	2011-06	ug/L																
Methyl Parathion	2011-09	ug/L																
Methyl Parathion	2011-12	ug/L																
Methyl Parathion	2012-03	ug/L																
Methyl Parathion	2014-12	ug/L																
Methyl Parathion	2016-10	ug/L									<10.4					<10.3	<10.2	
Methyl Parathion	2017-10	ug/L																
Methyl Parathion	2017-12	ug/L			<10.4													
Methyl Parathion	2018-07	ug/L								<10.1								
Methyl Parathion	2018-10	ug/L								<10.3								
Methyl Parathion	2019-05	ug/L		<10.1														
Methyl Parathion	2021-10	ug/L																
Methyl Parathion	2021-12	ug/L	<10.5															
Methyl Parathion	2022-10	ug/L			<8.77													
Methyl Parathion	2024-04	ug/L		<10.2														
Methylene Chloride	2008-01	ug/L																
Methylene Chloride	2008-03	ug/L																
Methylene Chloride	2008-08	ug/L																
Methylene Chloride	2008-09	ug/L																



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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Methylene Chloride	2008-10	ug/L																
Methylene Chloride	2009-03	ug/L																
Methylene Chloride	2009-06	ug/L																
Methylene Chloride	2009-09	ug/L																
Methylene Chloride	2009-12	ug/L																
Methylene Chloride	2010-03	ug/L																
Methylene Chloride	2010-06	ug/L	< 5.00	< 5.00														
Methylene Chloride	2010-08	ug/L	< 5.00	< 5.00														
Methylene Chloride	2010-09	ug/L	< 5.00	< 5.00														
Methylene Chloride	2010-12	ug/L	< 5.00	< 5.00														
Methylene Chloride	2011-03	ug/L	< 5.00	< 5.00														
Methylene Chloride	2011-04	ug/L																
Methylene Chloride	2011-06	ug/L																
Methylene Chloride	2011-07	ug/L																
Methylene Chloride	2011-08	ug/L																
Methylene Chloride	2011-09	ug/L	< 5.00	< 5.00														
Methylene Chloride	2011-12	ug/L																
Methylene Chloride	2012-03	ug/L	< 5.00	< 5.00														
Methylene Chloride	2012-06	ug/L								< 5.00	< 5.00			< 5.00		< 5.00	< 5.00	
Methylene Chloride	2012-10	ug/L																
Methylene Chloride	2013-03	ug/L	< 5.00								< 5.00							
Methylene Chloride	2013-06	ug/L			< 5.00													
Methylene Chloride	2013-09	ug/L	< 5.00	< 5.00	< 5.00						< 5.00							
Methylene Chloride	2013-11	ug/L			< 5.00													
Methylene Chloride	2014-03	ug/L	< 5.00		< 5.00						< 5.00							
Methylene Chloride	2014-06	ug/L		< 5.00	< 5.00													
Methylene Chloride	2014-09	ug/L	< 5	< 5	< 5					< 5								
Methylene Chloride	2014-12	ug/L																
Methylene Chloride	2015-04	ug/L	< 5.00	< 5.00	< 5.00					< 5								
Methylene Chloride	2015-10	ug/L	< 5	<b>0.183 J</b>	<b>0.173 J</b>					< 5						< 5	<b>0.206 J</b>	
Methylene Chloride	2016-04	ug/L	< 5	< 5	< 5					< 5						< 5	< 5	
Methylene Chloride	2016-10	ug/L	<b>0.408 J</b>	<b>0.313 J</b>	<b>0.321 J</b>						<b>0.336 J</b>					<b>0.671 J</b>	<b>0.307 J</b>	
Methylene Chloride	2017-03	ug/L	<b>0.467 J</b>	<b>0.181 J</b>	< 5						< 5					< 5	<b>0.271 J</b>	
Methylene Chloride	2017-10	ug/L	< 5	< 5	< 5					< 5						<b>0.356 J</b>	< 5	
Methylene Chloride	2017-12	ug/L			< 5													
Methylene Chloride	2018-04	ug/L	<b>0.203 J</b>	<b>0.391 J</b>	< 5						<b>0.202 J</b>					< 5	<b>0.256 J</b>	
Methylene Chloride	2018-07	ug/L								< 5								
Methylene Chloride	2018-10	ug/L	< 5	< 5	< 5					< 5	< 5					< 5	< 5	
Methylene Chloride	2019-01	ug/L								< 5								
Methylene Chloride	2019-03	ug/L	< 5	< 5	< 5					< 5	< 5					< 5	< 5	
Methylene Chloride	2019-05	ug/L		< 5						< 5								
Methylene Chloride	2019-10	ug/L	< 5	< 5	< 5					< 5	< 5					< 5	< 5	
Methylene Chloride	2020-03	ug/L	< 5	< 5	< 5					< 10	< 5					< 5	< 10	
Methylene Chloride	2020-09	ug/L	< 5	< 5	< 5					< 5	< 5					< 5	< 5	
Methylene Chloride	2021-03	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5					< 5	< 5	
Methylene Chloride	2021-05	ug/L	< 5															
Methylene Chloride	2021-08	ug/L						< 5	< 5									
Methylene Chloride	2021-10	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2021-12	ug/L	< 5															
Methylene Chloride	2022-02	ug/L						< 5	< 5									
Methylene Chloride	2022-04	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2022-07	ug/L																
Methylene Chloride	2022-10	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2023-04	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2023-05	ug/L																
Methylene Chloride	2023-10	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2024-04	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5							
Methylene Chloride	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5



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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Naphthalene	2009-03	ug/L						<5	<5	<5								
Naphthalene	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
Naphthalene	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
Naphthalene	2009-12	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
Naphthalene	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00			<5.00				
Naphthalene	2010-06	ug/L										<5.00						
Naphthalene	2010-08	ug/L										<5.00	<5.00					
Naphthalene	2010-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00				
Naphthalene	2010-12	ug/L										<5.00						
Naphthalene	2011-03	ug/L					<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<5.00	<5.00	<5.00			
Naphthalene	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00							<5.00
Naphthalene	2011-06	ug/L										<5.00		<5.00	<5.00	<5.00	<5.00	
Naphthalene	2011-09	ug/L					<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	
Naphthalene	2011-12	ug/L												<5.00	<5.00	<5.00	<5.00	
Naphthalene	2012-03	ug/L												<5.00	<5.00	<5.00	<5.00	
Naphthalene	2014-12	ug/L																<5.00
Naphthalene	2016-10	ug/L							<5	<5	<5				<5	<5		
Naphthalene	2017-10	ug/L						<5										
Naphthalene	2017-12	ug/L					<5					<5						<5
Naphthalene	2018-07	ug/L											<5					
Naphthalene	2018-10	ug/L											<5					
Naphthalene	2019-05	ug/L																
Naphthalene	2021-10	ug/L							<5	<5	<5					<5	<5	
Naphthalene	2021-12	ug/L																
Naphthalene	2022-10	ug/L					<5	<5				<5						<5
Naphthalene	2024-04	ug/L											<5					
Nickel	2008-01	mg/L					<0.05	<0.05	<0.0500	<0.05	<0.05	<b>0.0551</b>	<0.05	<0.05	<0.05			
Nickel	2008-03	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Nickel	2008-08	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
Nickel	2008-09	mg/L					<0.05	<0.05	<0.05	<b>0.0546</b>	<0.05	<0.05	<0.05	<0.05	<0.05			
Nickel	2008-10	mg/L					<0.05	<b>0.0525</b>	<0.05	<b>0.0562</b>	<0.05	<0.05	<0.05	<0.05	<0.05			
Nickel	2009-03	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
Nickel	2009-06	mg/L					<0.0500	<0.05	<0.05	<b>0.0565</b>	<0.05							
Nickel	2009-09	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Nickel	2009-12	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			<0.0500				
Nickel	2010-03	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Nickel	2010-06	mg/L										<0.0500				<0.0500	<0.0500	<0.0500
Nickel	2010-08	mg/L										<0.0500	<0.0500			<0.0500	<0.0500	<0.0500
Nickel	2010-09	mg/L					<0.0500	<0.0500	<0.0500	<b>0.0573</b>	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nickel	2010-12	mg/L										<0.0500				<0.0500	<0.0500	<0.0500
Nickel	2011-03	mg/L		<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nickel	2011-06	mg/L		<0.0500									<0.0500		<0.0500	<0.0500	<0.0500	
Nickel	2011-07	mg/L	<0.0500															
Nickel	2011-08	mg/L		<0.0500														
Nickel	2011-09	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<b>0.0536</b>	<0.0500	<0.0500		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nickel	2011-12	mg/L	<0.0500	<0.0500											<0.0500	<0.0500	<0.0500	
Nickel	2012-03	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nickel	2012-04	mg/L																
Nickel	2012-06	mg/L																
Nickel	2012-10	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Nickel	2013-03	mg/L	<b>0.0203</b>	<0.0500			<0.0500	<b>0.0303</b>	<b>0.0362</b>	<b>0.0413</b>	<0.0500	<b>0.00365</b>		<b>0.0160</b>	<0.0500	<b>0.0626</b>	<0.0500	<b>0.0474</b>
Nickel	2013-06	mg/L																
Nickel	2013-09	mg/L	<b>0.0338</b>	<0.0500			<0.0500	<b>0.0609</b>	<b>0.0275</b>	<b>0.0310</b>	<b>0.0181</b>	<0.0500		<b>0.0170</b>	<0.0500	<0.0500	<b>0.0180</b>	<b>0.0111</b>
Nickel	2013-11	mg/L																
Nickel	2014-03	mg/L	<b>0.0460</b>	<b>0.00797</b>			<0.0500	<b>0.0689</b>	<b>0.0382</b>	<b>0.0318</b>	<b>0.0341</b>	<b>0.0222</b>	<b>0.00995</b>	<b>0.0275</b>	<b>0.00885</b>	<b>0.0344</b>	<b>0.0240</b>	<b>0.0261</b>
Nickel	2014-06	mg/L																
Nickel	2014-09	mg/L	<b>0.0466</b>	<0.005			<b>0.00321</b>	<b>0.0213</b>	<b>0.0265</b>	<b>0.0261</b>	<b>0.0299</b>	<b>0.0318</b>	<b>0.00631</b>	<b>0.0254</b>	<b>0.00570</b>	<b>0.0274</b>	<b>0.0141</b>	<b>0.0219</b>
Nickel	2014-12	mg/L																<b>0.0183</b>

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Naphthalene	2009-03	ug/L																
Naphthalene	2009-06	ug/L																
Naphthalene	2009-09	ug/L																
Naphthalene	2009-12	ug/L																
Naphthalene	2010-03	ug/L																
Naphthalene	2010-06	ug/L																
Naphthalene	2010-08	ug/L																
Naphthalene	2010-09	ug/L																
Naphthalene	2010-12	ug/L																
Naphthalene	2011-03	ug/L																
Naphthalene	2011-04	ug/L																
Naphthalene	2011-06	ug/L																
Naphthalene	2011-09	ug/L																
Naphthalene	2011-12	ug/L																
Naphthalene	2012-03	ug/L																
Naphthalene	2014-12	ug/L																
Naphthalene	2016-10	ug/L									<5					<5	<5	
Naphthalene	2017-10	ug/L																
Naphthalene	2017-12	ug/L			<5													
Naphthalene	2018-07	ug/L								<5								
Naphthalene	2018-10	ug/L								<5								
Naphthalene	2019-05	ug/L		<5														
Naphthalene	2021-10	ug/L																
Naphthalene	2021-12	ug/L	<5															
Naphthalene	2022-10	ug/L			<5													
Naphthalene	2024-04	ug/L		<5														
Nickel	2008-01	mg/L																
Nickel	2008-03	mg/L																
Nickel	2008-08	mg/L																
Nickel	2008-09	mg/L																
Nickel	2008-10	mg/L																
Nickel	2009-03	mg/L																
Nickel	2009-06	mg/L																
Nickel	2009-09	mg/L																
Nickel	2009-12	mg/L																
Nickel	2010-03	mg/L																
Nickel	2010-06	mg/L	<0.0500	<0.0500														
Nickel	2010-08	mg/L	<0.0500	<0.0500														
Nickel	2010-09	mg/L	<0.0500	<0.0500														
Nickel	2010-12	mg/L	<0.0500	<0.0500														
Nickel	2011-03	mg/L	<0.0500	<0.0500														
Nickel	2011-06	mg/L																
Nickel	2011-07	mg/L																
Nickel	2011-08	mg/L																
Nickel	2011-09	mg/L	<0.0500	<0.0500														
Nickel	2011-12	mg/L																
Nickel	2012-03	mg/L	<0.0500	<0.0500														
Nickel	2012-04	mg/L									0.246	<0.0500		<0.0500		0.0837	0.125	
Nickel	2012-06	mg/L									0.117	<0.0500		<0.0500		0.0848	0.0935	
Nickel	2012-10	mg/L									<0.0500		<0.0500		<0.0500	<0.0500	<0.0500	
Nickel	2013-03	mg/L	0.00727								0.0712					0.0974	<0.0500	
Nickel	2013-06	mg/L			0.00700													
Nickel	2013-09	mg/L	0.0795	<0.0500							0.0565					0.0875	<0.0500	
Nickel	2013-11	mg/L																
Nickel	2014-03	mg/L	0.0234								0.0168					0.0742	<0.0500	
Nickel	2014-06	mg/L		<0.0500	<0.0500													
Nickel	2014-09	mg/L	0.0152	0.00207	0.0061						0.00594					0.00751	0.00361	
Nickel	2014-12	mg/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Nickel	2015-04	mg/L	0.0462	0.00155			0.00231	0.0327	0.02	0.0204	0.0317	0.0355	0.00606			0.00523	0.0174	0.0187
Nickel	2015-10	mg/L	0.0588	0.000967 J			0.0078	0.0273	0.0296	0.0278	0.0352	0.0446				0.032	0.0153	0.0154
Nickel	2016-04	mg/L	0.044	<0.005			0.00455 J	0.0148	0.0413	0.0155	0.0486 J	0.047	0.00613			0.0136	0.0154	0.00941
Nickel	2016-10	mg/L	0.0508	<0.005			0.00537	0.0188	0.0265	0.0168	0.0353	0.0456	0.0071			0.0279	0.0116	0.0126
Nickel	2017-03	mg/L	0.0629	0.00618			0.00674	0.0242	0.0401	0.0126	0.0335	0.0449	0.00856			0.0144	0.0129	0.00665
Nickel	2017-06	mg/L	0.0576	0.00392 J			0.00737	0.0168				0.0481	0.00817					0.00835
Nickel	2017-10	mg/L	0.0527	0.00197 J			0.00592	0.0293	0.0449	0.0171	0.035	0.0449				0.0147	0.0112	0.00846
Nickel	2017-12	mg/L					0.00686					0.0487						0.0106
Nickel	2018-04	mg/L	0.0568	0.00528	<0.005		0.00635	0.0188	0.0443	0.00997	0.0291	0.0263	0.0099			0.0153	0.00439 J	0.00817
Nickel	2018-07	mg/L											0.00994					
Nickel	2018-10	mg/L	0.0543	0.00148 J			0.00533	0.0151	0.0342	0.0432	0.031	0.0511	0.00972			0.0141	0.00405 J	0.0102
Nickel	2019-01	mg/L																
Nickel	2019-03	mg/L	0.0542	0.00439 J			0.00778	0.0127	0.0286	0.0282	0.0369	0.052	0.00256 J			0.00602	0.00758	0.00959
Nickel	2019-05	mg/L																
Nickel	2019-10	mg/L	0.0474	<0.005			0.00844	0.0114	0.0221	0.0128	0.0285	0.0377	0.00672			0.0125	0.00728	0.0164
Nickel	2020-03	mg/L	0.0422	0.0078			0.0088	0.00831	0.0294	0.0176	0.0382	0.0441	0.00789			0.00635	0.00796	0.00895
Nickel	2020-09	mg/L	0.0464	0.00221 J			0.011	0.0102	0.0217	0.03	0.0366	0.0482	0.00783			0.00829	0.00906	0.013
Nickel	2020-11	mg/L	0.0443															
Nickel	2020-12	mg/L	0.0478															
Nickel	2021-03	mg/L	0.0483	0.00619			0.00718	0.0116	0.0275	0.0287	0.0348	0.0344	0.0121			0.00241 J	0.00699	0.00452 J
Nickel	2021-05	mg/L																
Nickel	2021-08	mg/L																
Nickel	2021-10	mg/L	0.039	<0.005	<0.005		0.0098	0.0222	0.0144	0.033	0.0346	0.04	0.00859			0.00704	0.012	<0.005
Nickel	2021-12	mg/L																
Nickel	2022-02	mg/L	0.0236		<0.005	0.00199 J												
Nickel	2022-04	mg/L	0.044	0.0077	<0.005	<0.005	0.00401 J	0.0167	0.0282	0.019	0.036	0.0306	0.013			<0.005	0.00594	<0.005
Nickel	2022-07	mg/L			<0.005	<0.005												
Nickel	2022-10	mg/L	0.0433	0.00627	<0.005	<0.005	0.00843	0.0157	0.0205	0.0276	0.0313	0.0343				0.011	0.00748	0.00238 J
Nickel	2023-04	mg/L	0.0478	0.00971		<0.005	0.0096	0.0177	0.0242	0.0225	0.0342	0.0207	0.0437			0.00222 J	0.00333 J	<0.005
Nickel	2023-05	mg/L			<0.005													
Nickel	2023-10	mg/L	0.0491	0.00358 J	<0.005	<0.005	0.00867	0.0246	0.0198	0.0296	0.0334	0.0223				0.0205	0.00816	<0.005
Nickel	2024-04	mg/L	0.0463	0.00774	<0.005	<0.005	0.00928	0.0261	0.0253	0.0101	0.0333	0.014	0.0512			<0.005	0.00692	<0.005
Nickel	2024-05	mg/L																
Nickel	2024-09	mg/L	0.0424	<0.005	<0.005	<0.005	0.00953	0.0227	0.0233	0.0215	0.0352	0.0234	0.0489			0.00785	0.011	<0.005
Nitrobenzene	2009-03	ug/L							<10	<10	<10	<10						
Nitrobenzene	2009-06	ug/L							<10	<10	<10	<10			<10			
Nitrobenzene	2009-09	ug/L							<10	<10	<10	<10			<10			
Nitrobenzene	2009-12	ug/L							<10	<10	<10	<10			<10			
Nitrobenzene	2010-03	ug/L							<10			<10			<10			
Nitrobenzene	2010-06	ug/L											<10					
Nitrobenzene	2010-08	ug/L											<10		<10			
Nitrobenzene	2010-09	ug/L							<10	<10	<10	<10	<10	<10				
Nitrobenzene	2010-12	ug/L											<10					
Nitrobenzene	2011-03	ug/L													<10		<10	
Nitrobenzene	2011-06	ug/L													<10		<10	
Nitrobenzene	2011-09	ug/L							<10	<10	<10	<10	<10	<10		<10	<10	
Nitrobenzene	2011-12	ug/L													<10		<10	
Nitrobenzene	2012-03	ug/L														<10	<10	
Nitrobenzene	2014-12	ug/L															<10	
Nitrobenzene	2016-10	ug/L							<10	<10	<10					<11.2	<11.1	
Nitrobenzene	2017-10	ug/L							<10.5									
Nitrobenzene	2017-12	ug/L						<10.6					<10.4					<10.4
Nitrobenzene	2018-07	ug/L																
Nitrobenzene	2018-10	ug/L											<10.4					
Nitrobenzene	2019-05	ug/L																
Nitrobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Nitrobenzene	2021-12	ug/L																
Nitrobenzene	2022-10	ug/L						<8.47	<8.47				<8.47					<8.47

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Nickel	2015-04	mg/L	0.0280	0.00156	0.00449						0.00391					0.000746	0.000961	
Nickel	2015-10	mg/L	0.00801	0.00215 J	0.00384 J						0.00103 J					0.00103 J	0.00223 J	
Nickel	2016-04	mg/L	0.00578	0.00243 J	0.00197 J						<0.005					<0.005	<0.005	
Nickel	2016-10	mg/L	0.0146	0.00339 J	0.00328 J						<0.005					<0.005	0.00155 J	
Nickel	2017-03	mg/L	0.0202	0.00185 J	0.00273 J						<0.005					<0.005	0.000972 J	
Nickel	2017-06	mg/L	0.00377 J															
Nickel	2017-10	mg/L	0.00242 J	0.0023 J	0.00185 J						<0.005					0.0012 J	0.00267 J	
Nickel	2017-12	mg/L			0.00168 J													
Nickel	2018-04	mg/L	0.00268 J	<0.005	<0.005						0.00508					<0.005	<0.005	
Nickel	2018-07	mg/L								0.00295 J								
Nickel	2018-10	mg/L	0.00227 J	0.0125	0.00203 J					<0.005	0.00296 J					<0.005	0.00121 J	
Nickel	2019-01	mg/L		0.00419 J						<0.005								
Nickel	2019-03	mg/L	0.00328 J	0.00573	<0.005					<0.005	<0.005					<0.005	<0.005	
Nickel	2019-05	mg/L		0.0064						0.00169 J								
Nickel	2019-10	mg/L	<0.005	0.00534	0.00174 J					<0.005	<0.005					<0.005	<0.005	
Nickel	2020-03	mg/L	<0.005	0.00593	<0.005					<0.005	<0.005					<0.005	<0.005	
Nickel	2020-09	mg/L	0.00201 J	0.0103	0.00242 J					<0.005	<0.005					<0.005	<0.005	
Nickel	2020-11	mg/L																
Nickel	2020-12	mg/L																
Nickel	2021-03	mg/L	0.054	0.01	<0.005			0.00914	0.00401 J	<0.005	<0.005					<0.005	<0.005	
Nickel	2021-05	mg/L	0.0219															
Nickel	2021-08	mg/L						0.00853	0.00619									
Nickel	2021-10	mg/L	0.0693	0.003 J	0.00225 J			0.00576	0.00527	<0.005	0.00561							
Nickel	2021-12	mg/L	0.0452															
Nickel	2022-02	mg/L						0.00733	0.00483 J									
Nickel	2022-04	mg/L	0.0813	0.00858	<0.005			0.00927	<0.005	<0.005	<0.005							
Nickel	2022-07	mg/L																
Nickel	2022-10	mg/L	0.0555	0.00336 J	0.00285 J			0.00627	<0.005	<0.005	0.00425 J							
Nickel	2023-04	mg/L	0.0818	0.00506	0.00232 J			0.0216	<0.005	<0.005	0.00282 J							
Nickel	2023-05	mg/L																
Nickel	2023-10	mg/L	0.0613	<0.005	0.00325 J			0.00834	0.00355 J	0.00257 J	<0.005							
Nickel	2024-04	mg/L	0.0113	0.00255 J	0.00277 J			0.209	0.00255 J	<0.005	0.00275 J							
Nickel	2024-05	mg/L						0.107				0.00451 J	0.00568	0.0031 J	<0.005			<0.005
Nickel	2024-09	mg/L	0.00656	0.0077	0.00302 J			0.0415	<0.005	<0.005	0.00247 J	0.00619	0.006	0.00427 J	<0.005	<0.005	<0.005	<0.005
Nitrobenzene	2009-03	ug/L																
Nitrobenzene	2009-06	ug/L																
Nitrobenzene	2009-09	ug/L																
Nitrobenzene	2009-12	ug/L																
Nitrobenzene	2010-03	ug/L																
Nitrobenzene	2010-06	ug/L																
Nitrobenzene	2010-08	ug/L																
Nitrobenzene	2010-09	ug/L																
Nitrobenzene	2010-12	ug/L																
Nitrobenzene	2011-03	ug/L																
Nitrobenzene	2011-06	ug/L																
Nitrobenzene	2011-09	ug/L																
Nitrobenzene	2011-12	ug/L																
Nitrobenzene	2012-03	ug/L																
Nitrobenzene	2014-12	ug/L																
Nitrobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
Nitrobenzene	2017-10	ug/L																
Nitrobenzene	2017-12	ug/L			<10.4													
Nitrobenzene	2018-07	ug/L								<10.1								
Nitrobenzene	2018-10	ug/L								<10.3								
Nitrobenzene	2019-05	ug/L		<10.1														
Nitrobenzene	2021-10	ug/L																
Nitrobenzene	2021-12	ug/L	<10.5															
Nitrobenzene	2022-10	ug/L			<8.77													

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Nitrobenzene	2024-04	ug/L											<10.6					
N-Nitrosodiethylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosodiethylamine	2009-06	ug/L					<10.0	<10	<10	<10.0				<10.0				
N-Nitrosodiethylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodiethylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodiethylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosodiethylamine	2010-06	ug/L										<10.0						
N-Nitrosodiethylamine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosodiethylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0				
N-Nitrosodiethylamine	2010-12	ug/L										<10.0						
N-Nitrosodiethylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosodiethylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosodiethylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0		<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosodiethylamine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
N-Nitrosodiethylamine	2012-03	ug/L													<10.0	<10.0	<10.0	
N-Nitrosodiethylamine	2014-12	ug/L															<10.2	
N-Nitrosodiethylamine	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
N-Nitrosodiethylamine	2017-10	ug/L						<10.5										
N-Nitrosodiethylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosodiethylamine	2018-07	ug/L											<10.4					
N-Nitrosodiethylamine	2018-10	ug/L											<10.4					
N-Nitrosodiethylamine	2019-05	ug/L																
N-Nitrosodiethylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
N-Nitrosodiethylamine	2021-12	ug/L																
N-Nitrosodiethylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosodiethylamine	2024-04	ug/L											<10.6					
N-Nitrosodimethylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosodimethylamine	2009-06	ug/L					<10.0	<10	<10	<10.0				<10.0				
N-Nitrosodimethylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodimethylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodimethylamine	2010-03	ug/L					<10.0							<10.0				
N-Nitrosodimethylamine	2010-06	ug/L										<10.0						
N-Nitrosodimethylamine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosodimethylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0				
N-Nitrosodimethylamine	2010-12	ug/L										<10.0						
N-Nitrosodimethylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosodimethylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosodimethylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0		<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosodimethylamine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
N-Nitrosodimethylamine	2012-03	ug/L													<10.0	<10.0	<10.0	
N-Nitrosodimethylamine	2014-12	ug/L															<10.2	
N-Nitrosodimethylamine	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
N-Nitrosodimethylamine	2017-10	ug/L						<10.5										
N-Nitrosodimethylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosodimethylamine	2018-07	ug/L											<10.4					
N-Nitrosodimethylamine	2018-10	ug/L											<10.4					
N-Nitrosodimethylamine	2019-05	ug/L																
N-Nitrosodimethylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
N-Nitrosodimethylamine	2021-12	ug/L																
N-Nitrosodimethylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosodimethylamine	2024-04	ug/L											<10.6					
N-Nitrosodi-n-butylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosodi-n-butylamine	2009-06	ug/L					<10.0	<10	<10	<10.0				<10.0				
N-Nitrosodi-n-butylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodi-n-butylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0				<10.0				
N-Nitrosodi-n-butylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosodi-n-butylamine	2010-06	ug/L										<10.0						
N-Nitrosodi-n-butylamine	2010-08	ug/L										<10.0	<10.0					

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Nitrobenzene	2024-04	ug/L		<10.2														
N-Nitrosodiethylamine	2009-03	ug/L																
N-Nitrosodiethylamine	2009-06	ug/L																
N-Nitrosodiethylamine	2009-09	ug/L																
N-Nitrosodiethylamine	2009-12	ug/L																
N-Nitrosodiethylamine	2010-03	ug/L																
N-Nitrosodiethylamine	2010-06	ug/L																
N-Nitrosodiethylamine	2010-08	ug/L																
N-Nitrosodiethylamine	2010-09	ug/L																
N-Nitrosodiethylamine	2010-12	ug/L																
N-Nitrosodiethylamine	2011-03	ug/L																
N-Nitrosodiethylamine	2011-06	ug/L																
N-Nitrosodiethylamine	2011-09	ug/L																
N-Nitrosodiethylamine	2011-12	ug/L																
N-Nitrosodiethylamine	2012-03	ug/L																
N-Nitrosodiethylamine	2014-12	ug/L																
N-Nitrosodiethylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosodiethylamine	2017-10	ug/L																
N-Nitrosodiethylamine	2017-12	ug/L			<10.4													
N-Nitrosodiethylamine	2018-07	ug/L								<10.1								
N-Nitrosodiethylamine	2018-10	ug/L								<10.3								
N-Nitrosodiethylamine	2019-05	ug/L		<10.1														
N-Nitrosodiethylamine	2021-10	ug/L																
N-Nitrosodiethylamine	2021-12	ug/L	<10.5															
N-Nitrosodiethylamine	2022-10	ug/L			<8.77													
N-Nitrosodiethylamine	2024-04	ug/L		<10.2														
N-Nitrosodimethylamine	2009-03	ug/L																
N-Nitrosodimethylamine	2009-06	ug/L																
N-Nitrosodimethylamine	2009-09	ug/L																
N-Nitrosodimethylamine	2009-12	ug/L																
N-Nitrosodimethylamine	2010-03	ug/L																
N-Nitrosodimethylamine	2010-06	ug/L																
N-Nitrosodimethylamine	2010-08	ug/L																
N-Nitrosodimethylamine	2010-09	ug/L																
N-Nitrosodimethylamine	2010-12	ug/L																
N-Nitrosodimethylamine	2011-03	ug/L																
N-Nitrosodimethylamine	2011-06	ug/L																
N-Nitrosodimethylamine	2011-09	ug/L																
N-Nitrosodimethylamine	2011-12	ug/L																
N-Nitrosodimethylamine	2012-03	ug/L																
N-Nitrosodimethylamine	2014-12	ug/L																
N-Nitrosodimethylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosodimethylamine	2017-10	ug/L																
N-Nitrosodimethylamine	2017-12	ug/L			<10.4													
N-Nitrosodimethylamine	2018-07	ug/L								<10.1								
N-Nitrosodimethylamine	2018-10	ug/L								<10.3								
N-Nitrosodimethylamine	2019-05	ug/L		<10.1														
N-Nitrosodimethylamine	2021-10	ug/L																
N-Nitrosodimethylamine	2021-12	ug/L	<10.5															
N-Nitrosodimethylamine	2022-10	ug/L			<8.77													
N-Nitrosodimethylamine	2024-04	ug/L		<10.2														
N-Nitrosodi-n-butylamine	2009-03	ug/L																
N-Nitrosodi-n-butylamine	2009-06	ug/L																
N-Nitrosodi-n-butylamine	2009-09	ug/L																
N-Nitrosodi-n-butylamine	2009-12	ug/L																
N-Nitrosodi-n-butylamine	2010-03	ug/L																
N-Nitrosodi-n-butylamine	2010-06	ug/L																
N-Nitrosodi-n-butylamine	2010-08	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
N-Nitrosodi-n-butylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosodi-n-butylamine	2010-12	ug/L										<10.0						
N-Nitrosodi-n-butylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosodi-n-butylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosodi-n-butylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosodi-n-butylamine	2011-12	ug/L													<10.0	<10.0	<10.0	
N-Nitrosodi-n-butylamine	2012-03	ug/L														<10.0	<10.0	
N-Nitrosodi-n-butylamine	2014-12	ug/L															<10.2	
N-Nitrosodi-n-butylamine	2016-10	ug/L							<10	2.83 J	1.69 J					<11.2	<11.1	
N-Nitrosodi-n-butylamine	2017-10	ug/L						<10.5										
N-Nitrosodi-n-butylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosodi-n-butylamine	2018-07	ug/L											<10.4					
N-Nitrosodi-n-butylamine	2018-10	ug/L											<10.4					
N-Nitrosodi-n-butylamine	2019-05	ug/L																
N-Nitrosodi-n-butylamine	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
N-Nitrosodi-n-butylamine	2021-12	ug/L																
N-Nitrosodi-n-butylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosodi-n-butylamine	2024-04	ug/L											<10.6					
N-Nitrosodi-n-propylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosodi-n-propylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
N-Nitrosodi-n-propylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosodi-n-propylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosodi-n-propylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosodi-n-propylamine	2010-06	ug/L										<10.0						
N-Nitrosodi-n-propylamine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosodi-n-propylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosodi-n-propylamine	2010-12	ug/L										<10.0						
N-Nitrosodi-n-propylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosodi-n-propylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosodi-n-propylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosodi-n-propylamine	2011-12	ug/L													<10.0	<10.0	<10.0	
N-Nitrosodi-n-propylamine	2012-03	ug/L														<10.0	<10.0	
N-Nitrosodi-n-propylamine	2014-12	ug/L															<10.2	
N-Nitrosodi-n-propylamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
N-Nitrosodi-n-propylamine	2017-10	ug/L						<10.5										
N-Nitrosodi-n-propylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosodi-n-propylamine	2018-07	ug/L											<10.4					
N-Nitrosodi-n-propylamine	2018-10	ug/L											<10.4					
N-Nitrosodi-n-propylamine	2019-05	ug/L																
N-Nitrosodi-n-propylamine	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
N-Nitrosodi-n-propylamine	2021-12	ug/L																
N-Nitrosodi-n-propylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosodi-n-propylamine	2024-04	ug/L											<10.6					
N-Nitrosodiphenylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosodiphenylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
N-Nitrosodiphenylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosodiphenylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosodiphenylamine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosodiphenylamine	2010-06	ug/L										<10.0						
N-Nitrosodiphenylamine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosodiphenylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosodiphenylamine	2010-12	ug/L										<10.0						
N-Nitrosodiphenylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosodiphenylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosodiphenylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosodiphenylamine	2011-12	ug/L													<10.0	<10.0	<10.0	
N-Nitrosodiphenylamine	2012-03	ug/L														<10.0	<10.0	
N-Nitrosodiphenylamine	2014-12	ug/L															<10.2	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
N-Nitrosodi-n-butylamine	2010-09	ug/L																
N-Nitrosodi-n-butylamine	2010-12	ug/L																
N-Nitrosodi-n-butylamine	2011-03	ug/L																
N-Nitrosodi-n-butylamine	2011-06	ug/L																
N-Nitrosodi-n-butylamine	2011-09	ug/L																
N-Nitrosodi-n-butylamine	2011-12	ug/L																
N-Nitrosodi-n-butylamine	2012-03	ug/L																
N-Nitrosodi-n-butylamine	2014-12	ug/L																
N-Nitrosodi-n-butylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosodi-n-butylamine	2017-10	ug/L																
N-Nitrosodi-n-butylamine	2017-12	ug/L			<10.4													
N-Nitrosodi-n-butylamine	2018-07	ug/L									<10.1							
N-Nitrosodi-n-butylamine	2018-10	ug/L									<10.3							
N-Nitrosodi-n-butylamine	2019-05	ug/L		<10.1														
N-Nitrosodi-n-butylamine	2021-10	ug/L																
N-Nitrosodi-n-butylamine	2021-12	ug/L	<10.5															
N-Nitrosodi-n-butylamine	2022-10	ug/L			<8.77													
N-Nitrosodi-n-butylamine	2024-04	ug/L		<10.2														
N-Nitrosodi-n-propylamine	2009-03	ug/L																
N-Nitrosodi-n-propylamine	2009-06	ug/L																
N-Nitrosodi-n-propylamine	2009-09	ug/L																
N-Nitrosodi-n-propylamine	2009-12	ug/L																
N-Nitrosodi-n-propylamine	2010-03	ug/L																
N-Nitrosodi-n-propylamine	2010-06	ug/L																
N-Nitrosodi-n-propylamine	2010-08	ug/L																
N-Nitrosodi-n-propylamine	2010-09	ug/L																
N-Nitrosodi-n-propylamine	2010-12	ug/L																
N-Nitrosodi-n-propylamine	2011-03	ug/L																
N-Nitrosodi-n-propylamine	2011-06	ug/L																
N-Nitrosodi-n-propylamine	2011-09	ug/L																
N-Nitrosodi-n-propylamine	2011-12	ug/L																
N-Nitrosodi-n-propylamine	2012-03	ug/L																
N-Nitrosodi-n-propylamine	2014-12	ug/L																
N-Nitrosodi-n-propylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosodi-n-propylamine	2017-10	ug/L																
N-Nitrosodi-n-propylamine	2017-12	ug/L			<10.4													
N-Nitrosodi-n-propylamine	2018-07	ug/L									<10.1							
N-Nitrosodi-n-propylamine	2018-10	ug/L									<10.3							
N-Nitrosodi-n-propylamine	2019-05	ug/L		<10.1														
N-Nitrosodi-n-propylamine	2021-10	ug/L																
N-Nitrosodi-n-propylamine	2021-12	ug/L	<10.5															
N-Nitrosodi-n-propylamine	2022-10	ug/L			<8.77													
N-Nitrosodi-n-propylamine	2024-04	ug/L		<10.2														
N-Nitrosodiphenylamine	2009-03	ug/L																
N-Nitrosodiphenylamine	2009-06	ug/L																
N-Nitrosodiphenylamine	2009-09	ug/L																
N-Nitrosodiphenylamine	2009-12	ug/L																
N-Nitrosodiphenylamine	2010-03	ug/L																
N-Nitrosodiphenylamine	2010-06	ug/L																
N-Nitrosodiphenylamine	2010-08	ug/L																
N-Nitrosodiphenylamine	2010-09	ug/L																
N-Nitrosodiphenylamine	2010-12	ug/L																
N-Nitrosodiphenylamine	2011-03	ug/L																
N-Nitrosodiphenylamine	2011-06	ug/L																
N-Nitrosodiphenylamine	2011-09	ug/L																
N-Nitrosodiphenylamine	2011-12	ug/L																
N-Nitrosodiphenylamine	2012-03	ug/L																
N-Nitrosodiphenylamine	2014-12	ug/L																



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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
N-Nitrosodiphenylamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
N-Nitrosodiphenylamine	2017-10	ug/L						<10.5										
N-Nitrosodiphenylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosodiphenylamine	2018-07	ug/L											<10.4					
N-Nitrosodiphenylamine	2018-10	ug/L											<10.4					
N-Nitrosodiphenylamine	2019-05	ug/L																
N-Nitrosodiphenylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
N-Nitrosodiphenylamine	2021-12	ug/L																
N-Nitrosodiphenylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosodiphenylamine	2024-04	ug/L											<10.6					
N-Nitrosomethylethylamine	2009-03	ug/L						<10	<10	<10								
N-Nitrosomethylethylamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
N-Nitrosomethylethylamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosomethylethylamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosomethylethylamine	2010-03	ug/L					<10.0				<10.0							
N-Nitrosomethylethylamine	2010-06	ug/L										<10.0						
N-Nitrosomethylethylamine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosomethylethylamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosomethylethylamine	2010-12	ug/L										<10.0						
N-Nitrosomethylethylamine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosomethylethylamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosomethylethylamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosomethylethylamine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
N-Nitrosomethylethylamine	2012-03	ug/L													<10.0	<10.0	<10.0	
N-Nitrosomethylethylamine	2014-12	ug/L															<10.2	
N-Nitrosomethylethylamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
N-Nitrosomethylethylamine	2017-10	ug/L						<10.5										
N-Nitrosomethylethylamine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosomethylethylamine	2018-07	ug/L											<10.4					
N-Nitrosomethylethylamine	2018-10	ug/L											<10.4					
N-Nitrosomethylethylamine	2019-05	ug/L																
N-Nitrosomethylethylamine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
N-Nitrosomethylethylamine	2021-12	ug/L																
N-Nitrosomethylethylamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosomethylethylamine	2024-04	ug/L											<10.6					
N-Nitrosopiperidine	2009-03	ug/L						<10	<10	<10								
N-Nitrosopiperidine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
N-Nitrosopiperidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosopiperidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosopiperidine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosopiperidine	2010-06	ug/L										<10.0						
N-Nitrosopiperidine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosopiperidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosopiperidine	2010-12	ug/L										<10.0						
N-Nitrosopiperidine	2011-03	ug/L											<10.0		<10.0			
N-Nitrosopiperidine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
N-Nitrosopiperidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosopiperidine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
N-Nitrosopiperidine	2012-03	ug/L													<10.0	<10.0	<10.0	
N-Nitrosopiperidine	2014-12	ug/L															<10.2	
N-Nitrosopiperidine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
N-Nitrosopiperidine	2017-10	ug/L						<10.5										
N-Nitrosopiperidine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosopiperidine	2018-07	ug/L											<10.4					
N-Nitrosopiperidine	2018-10	ug/L											<10.4					
N-Nitrosopiperidine	2019-05	ug/L																
N-Nitrosopiperidine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
N-Nitrosopiperidine	2021-12	ug/L																

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
N-Nitrosodiphenylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosodiphenylamine	2017-10	ug/L																
N-Nitrosodiphenylamine	2017-12	ug/L			<10.4													
N-Nitrosodiphenylamine	2018-07	ug/L								<10.1								
N-Nitrosodiphenylamine	2018-10	ug/L								<10.3								
N-Nitrosodiphenylamine	2019-05	ug/L		<10.1														
N-Nitrosodiphenylamine	2021-10	ug/L																
N-Nitrosodiphenylamine	2021-12	ug/L	<10.5															
N-Nitrosodiphenylamine	2022-10	ug/L			<8.77													
N-Nitrosodiphenylamine	2024-04	ug/L		<10.2														
N-Nitrosomethylethylamine	2009-03	ug/L																
N-Nitrosomethylethylamine	2009-06	ug/L																
N-Nitrosomethylethylamine	2009-09	ug/L																
N-Nitrosomethylethylamine	2009-12	ug/L																
N-Nitrosomethylethylamine	2010-03	ug/L																
N-Nitrosomethylethylamine	2010-06	ug/L																
N-Nitrosomethylethylamine	2010-08	ug/L																
N-Nitrosomethylethylamine	2010-09	ug/L																
N-Nitrosomethylethylamine	2010-12	ug/L																
N-Nitrosomethylethylamine	2011-03	ug/L																
N-Nitrosomethylethylamine	2011-06	ug/L																
N-Nitrosomethylethylamine	2011-09	ug/L																
N-Nitrosomethylethylamine	2011-12	ug/L																
N-Nitrosomethylethylamine	2012-03	ug/L																
N-Nitrosomethylethylamine	2014-12	ug/L																
N-Nitrosomethylethylamine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosomethylethylamine	2017-10	ug/L																
N-Nitrosomethylethylamine	2017-12	ug/L			<10.4													
N-Nitrosomethylethylamine	2018-07	ug/L								<10.1								
N-Nitrosomethylethylamine	2018-10	ug/L								<10.3								
N-Nitrosomethylethylamine	2019-05	ug/L		<10.1														
N-Nitrosomethylethylamine	2021-10	ug/L																
N-Nitrosomethylethylamine	2021-12	ug/L	<10.5															
N-Nitrosomethylethylamine	2022-10	ug/L			<8.77													
N-Nitrosomethylethylamine	2024-04	ug/L		<10.2														
N-Nitrosopiperidine	2009-03	ug/L																
N-Nitrosopiperidine	2009-06	ug/L																
N-Nitrosopiperidine	2009-09	ug/L																
N-Nitrosopiperidine	2009-12	ug/L																
N-Nitrosopiperidine	2010-03	ug/L																
N-Nitrosopiperidine	2010-06	ug/L																
N-Nitrosopiperidine	2010-08	ug/L																
N-Nitrosopiperidine	2010-09	ug/L																
N-Nitrosopiperidine	2010-12	ug/L																
N-Nitrosopiperidine	2011-03	ug/L																
N-Nitrosopiperidine	2011-06	ug/L																
N-Nitrosopiperidine	2011-09	ug/L																
N-Nitrosopiperidine	2011-12	ug/L																
N-Nitrosopiperidine	2012-03	ug/L																
N-Nitrosopiperidine	2014-12	ug/L																
N-Nitrosopiperidine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosopiperidine	2017-10	ug/L																
N-Nitrosopiperidine	2017-12	ug/L			<10.4													
N-Nitrosopiperidine	2018-07	ug/L								<10.1								
N-Nitrosopiperidine	2018-10	ug/L								<10.3								
N-Nitrosopiperidine	2019-05	ug/L		<10.1														
N-Nitrosopiperidine	2021-10	ug/L																
N-Nitrosopiperidine	2021-12	ug/L	<10.5															

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
N-Nitrosopiperidine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosopiperidine	2024-04	ug/L											<10.6					
N-Nitrosopyrrolidine	2009-03	ug/L						<10	<10	<10								
N-Nitrosopyrrolidine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
N-Nitrosopyrrolidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosopyrrolidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
N-Nitrosopyrrolidine	2010-03	ug/L					<10.0				<10.0			<10.0				
N-Nitrosopyrrolidine	2010-06	ug/L										<10.0						
N-Nitrosopyrrolidine	2010-08	ug/L										<10.0	<10.0					
N-Nitrosopyrrolidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
N-Nitrosopyrrolidine	2010-12	ug/L										<10.0						
N-Nitrosopyrrolidine	2011-03	ug/L										<10.0		<10.0				
N-Nitrosopyrrolidine	2011-06	ug/L										<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosopyrrolidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
N-Nitrosopyrrolidine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
N-Nitrosopyrrolidine	2012-03	ug/L													<10.0	<10.0	<10.0	
N-Nitrosopyrrolidine	2014-12	ug/L															<10.2	
N-Nitrosopyrrolidine	2016-10	ug/L							<10		<10.9					<11.2	<11.1	
N-Nitrosopyrrolidine	2017-10	ug/L						<10.5										
N-Nitrosopyrrolidine	2017-12	ug/L					<10.6					<10.4						<10.4
N-Nitrosopyrrolidine	2018-07	ug/L											<10.4					
N-Nitrosopyrrolidine	2018-10	ug/L											<10.4					
N-Nitrosopyrrolidine	2019-05	ug/L																
N-Nitrosopyrrolidine	2021-10	ug/L							<10.5	<10.5	<10.2				<10.4	<10.5		
N-Nitrosopyrrolidine	2021-12	ug/L																
N-Nitrosopyrrolidine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
N-Nitrosopyrrolidine	2024-04	ug/L											<10.6					
o,o,o-Triethylphosphorothioate	2009-03	ug/L						<30	<30	<30	<30							
o,o,o-Triethylphosphorothioate	2009-06	ug/L					<30.0	<30	<30	<30.0	<30			<30.0				
o,o,o-Triethylphosphorothioate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
o,o,o-Triethylphosphorothioate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
o,o,o-Triethylphosphorothioate	2010-03	ug/L					<10.0				<10.0			<10.0				
o,o,o-Triethylphosphorothioate	2010-06	ug/L										<10.0						
o,o,o-Triethylphosphorothioate	2010-08	ug/L										<10.0	<10.0					
o,o,o-Triethylphosphorothioate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
o,o,o-Triethylphosphorothioate	2010-12	ug/L										<10.0						
o,o,o-Triethylphosphorothioate	2011-03	ug/L											<10.0		<10.0			
o,o,o-Triethylphosphorothioate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
o,o,o-Triethylphosphorothioate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
o,o,o-Triethylphosphorothioate	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
o,o,o-Triethylphosphorothioate	2012-03	ug/L													<10.0	<10.0	<10.0	
o,o,o-Triethylphosphorothioate	2014-12	ug/L															<10.2	
o,o,o-Triethylphosphorothioate	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
o,o,o-Triethylphosphorothioate	2017-10	ug/L						<10.5										
o,o,o-Triethylphosphorothioate	2017-12	ug/L					<10.6					<10.4						<10.4
o,o,o-Triethylphosphorothioate	2018-07	ug/L											<10.4					
o,o,o-Triethylphosphorothioate	2018-10	ug/L											<10.4					
o,o,o-Triethylphosphorothioate	2019-05	ug/L																
o,o,o-Triethylphosphorothioate	2021-10	ug/L							<10.5	<10.5	<10.2				<10.4	<10.5		
o,o,o-Triethylphosphorothioate	2021-12	ug/L																
o,o,o-Triethylphosphorothioate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
o,o,o-Triethylphosphorothioate	2024-04	ug/L											<10.6					
o-Toluidine	2009-03	ug/L						<10	<10	<10								
o-Toluidine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
o-Toluidine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
o-Toluidine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
o-Toluidine	2010-03	ug/L					<10.0				<10.0			<10.0				
o-Toluidine	2010-06	ug/L										<10.0						

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
N-Nitrosopiperidine	2022-10	ug/L			<8.77													
N-Nitrosopiperidine	2024-04	ug/L		<10.2														
N-Nitrosopyrrolidine	2009-03	ug/L																
N-Nitrosopyrrolidine	2009-06	ug/L																
N-Nitrosopyrrolidine	2009-09	ug/L																
N-Nitrosopyrrolidine	2009-12	ug/L																
N-Nitrosopyrrolidine	2010-03	ug/L																
N-Nitrosopyrrolidine	2010-06	ug/L																
N-Nitrosopyrrolidine	2010-08	ug/L																
N-Nitrosopyrrolidine	2010-09	ug/L																
N-Nitrosopyrrolidine	2010-12	ug/L																
N-Nitrosopyrrolidine	2011-03	ug/L																
N-Nitrosopyrrolidine	2011-06	ug/L																
N-Nitrosopyrrolidine	2011-09	ug/L																
N-Nitrosopyrrolidine	2011-12	ug/L																
N-Nitrosopyrrolidine	2012-03	ug/L																
N-Nitrosopyrrolidine	2014-12	ug/L																
N-Nitrosopyrrolidine	2016-10	ug/L									<10.4					<10.3	<10.2	
N-Nitrosopyrrolidine	2017-10	ug/L																
N-Nitrosopyrrolidine	2017-12	ug/L			<10.4													
N-Nitrosopyrrolidine	2018-07	ug/L								<10.1								
N-Nitrosopyrrolidine	2018-10	ug/L								<10.3								
N-Nitrosopyrrolidine	2019-05	ug/L		<10.1														
N-Nitrosopyrrolidine	2021-10	ug/L																
N-Nitrosopyrrolidine	2021-12	ug/L	<10.5															
N-Nitrosopyrrolidine	2022-10	ug/L			<8.77													
N-Nitrosopyrrolidine	2024-04	ug/L		<10.2														
o,o,o-Triethylphosphorothioate	2009-03	ug/L																
o,o,o-Triethylphosphorothioate	2009-06	ug/L																
o,o,o-Triethylphosphorothioate	2009-09	ug/L																
o,o,o-Triethylphosphorothioate	2009-12	ug/L																
o,o,o-Triethylphosphorothioate	2010-03	ug/L																
o,o,o-Triethylphosphorothioate	2010-06	ug/L																
o,o,o-Triethylphosphorothioate	2010-08	ug/L																
o,o,o-Triethylphosphorothioate	2010-09	ug/L																
o,o,o-Triethylphosphorothioate	2010-12	ug/L																
o,o,o-Triethylphosphorothioate	2011-03	ug/L																
o,o,o-Triethylphosphorothioate	2011-06	ug/L																
o,o,o-Triethylphosphorothioate	2011-09	ug/L																
o,o,o-Triethylphosphorothioate	2011-12	ug/L																
o,o,o-Triethylphosphorothioate	2012-03	ug/L																
o,o,o-Triethylphosphorothioate	2014-12	ug/L																
o,o,o-Triethylphosphorothioate	2016-10	ug/L									<10.4					<10.3	<10.2	
o,o,o-Triethylphosphorothioate	2017-10	ug/L																
o,o,o-Triethylphosphorothioate	2017-12	ug/L			<10.4													
o,o,o-Triethylphosphorothioate	2018-07	ug/L								<10.1								
o,o,o-Triethylphosphorothioate	2018-10	ug/L								<10.3								
o,o,o-Triethylphosphorothioate	2019-05	ug/L		<10.1														
o,o,o-Triethylphosphorothioate	2021-10	ug/L																
o,o,o-Triethylphosphorothioate	2021-12	ug/L	<10.5															
o,o,o-Triethylphosphorothioate	2022-10	ug/L			<8.77													
o,o,o-Triethylphosphorothioate	2024-04	ug/L		<10.2														
o-Toluidine	2009-03	ug/L																
o-Toluidine	2009-06	ug/L																
o-Toluidine	2009-09	ug/L																
o-Toluidine	2009-12	ug/L																
o-Toluidine	2010-03	ug/L																
o-Toluidine	2010-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
o-Toluidine	2010-08	ug/L										<10.0	<10.0					
o-Toluidine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
o-Toluidine	2010-12	ug/L										<10.0						
o-Toluidine	2011-03	ug/L											<10.0		<10.0			
o-Toluidine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
o-Toluidine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
o-Toluidine	2011-12	ug/L													<10.0	<10.0	<10.0	
o-Toluidine	2012-03	ug/L														<10.0	<10.0	
o-Toluidine	2014-12	ug/L															<10.2	
o-Toluidine	2016-10	ug/L						<10	<10	<10	<10.9					<11.2	<11.1	
o-Toluidine	2017-10	ug/L						<10.5										
o-Toluidine	2017-12	ug/L					<10.6					<10.4						<10.4
o-Toluidine	2018-07	ug/L											<10.4					
o-Toluidine	2018-10	ug/L											<10.4					
o-Toluidine	2019-05	ug/L																
o-Toluidine	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
o-Toluidine	2021-12	ug/L																
o-Toluidine	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
o-Toluidine	2024-04	ug/L											<10.6					
p-(Dimethylamino)azobenzene	2009-03	ug/L						<10	<10	<10								
p-(Dimethylamino)azobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
p-(Dimethylamino)azobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
p-(Dimethylamino)azobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
p-(Dimethylamino)azobenzene	2010-03	ug/L					<10.0				<10.0			<10.0				
p-(Dimethylamino)azobenzene	2010-06	ug/L										<10.0						
p-(Dimethylamino)azobenzene	2010-08	ug/L										<10.0	<10.0					
p-(Dimethylamino)azobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
p-(Dimethylamino)azobenzene	2010-12	ug/L										<10.0						
p-(Dimethylamino)azobenzene	2011-03	ug/L											<10.0		<10.0			
p-(Dimethylamino)azobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
p-(Dimethylamino)azobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
p-(Dimethylamino)azobenzene	2011-12	ug/L													<10.0	<10.0	<10.0	
p-(Dimethylamino)azobenzene	2012-03	ug/L														<10.0	<10.0	
p-(Dimethylamino)azobenzene	2014-12	ug/L															<10.2	
p-(Dimethylamino)azobenzene	2016-10	ug/L						<10	<10	<10	<10.9					<11.2	<11.1	
p-(Dimethylamino)azobenzene	2017-10	ug/L						<10.5										
p-(Dimethylamino)azobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
p-(Dimethylamino)azobenzene	2018-07	ug/L											<10.4					
p-(Dimethylamino)azobenzene	2018-10	ug/L											<10.4					
p-(Dimethylamino)azobenzene	2019-05	ug/L																
p-(Dimethylamino)azobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
p-(Dimethylamino)azobenzene	2021-12	ug/L																
p-(Dimethylamino)azobenzene	2022-10	ug/L					<8.47	<8.47					<8.47					<8.47
p-(Dimethylamino)azobenzene	2024-04	ug/L											<10.6					
Parathion	2009-03	ug/L						<10	<10	<10								
Parathion	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Parathion	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Parathion	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Parathion	2010-03	ug/L					<10.0				<10.0			<10.0				
Parathion	2010-06	ug/L										<10.0						
Parathion	2010-08	ug/L										<10.0	<10.0					
Parathion	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Parathion	2010-12	ug/L										<10.0						
Parathion	2011-03	ug/L											<10.0		<10.0			
Parathion	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Parathion	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Parathion	2011-12	ug/L													<10.0	<10.0	<10.0	
Parathion	2012-03	ug/L														<10.0	<10.0	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
o-Toluidine	2010-08	ug/L																
o-Toluidine	2010-09	ug/L																
o-Toluidine	2010-12	ug/L																
o-Toluidine	2011-03	ug/L																
o-Toluidine	2011-06	ug/L																
o-Toluidine	2011-09	ug/L																
o-Toluidine	2011-12	ug/L																
o-Toluidine	2012-03	ug/L																
o-Toluidine	2014-12	ug/L																
o-Toluidine	2016-10	ug/L									<10.4					<10.3	<10.2	
o-Toluidine	2017-10	ug/L																
o-Toluidine	2017-12	ug/L			<10.4													
o-Toluidine	2018-07	ug/L								<10.1								
o-Toluidine	2018-10	ug/L								<10.3								
o-Toluidine	2019-05	ug/L		<10.1														
o-Toluidine	2021-10	ug/L																
o-Toluidine	2021-12	ug/L	<10.5															
o-Toluidine	2022-10	ug/L			<8.77													
o-Toluidine	2024-04	ug/L		<10.2														
p-(Dimethylamino)azobenzene	2009-03	ug/L																
p-(Dimethylamino)azobenzene	2009-06	ug/L																
p-(Dimethylamino)azobenzene	2009-09	ug/L																
p-(Dimethylamino)azobenzene	2009-12	ug/L																
p-(Dimethylamino)azobenzene	2010-03	ug/L																
p-(Dimethylamino)azobenzene	2010-06	ug/L																
p-(Dimethylamino)azobenzene	2010-08	ug/L																
p-(Dimethylamino)azobenzene	2010-09	ug/L																
p-(Dimethylamino)azobenzene	2010-12	ug/L																
p-(Dimethylamino)azobenzene	2011-03	ug/L																
p-(Dimethylamino)azobenzene	2011-06	ug/L																
p-(Dimethylamino)azobenzene	2011-09	ug/L																
p-(Dimethylamino)azobenzene	2011-12	ug/L																
p-(Dimethylamino)azobenzene	2012-03	ug/L																
p-(Dimethylamino)azobenzene	2014-12	ug/L																
p-(Dimethylamino)azobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
p-(Dimethylamino)azobenzene	2017-10	ug/L																
p-(Dimethylamino)azobenzene	2017-12	ug/L			<10.4													
p-(Dimethylamino)azobenzene	2018-07	ug/L								<10.1								
p-(Dimethylamino)azobenzene	2018-10	ug/L								<10.3								
p-(Dimethylamino)azobenzene	2019-05	ug/L		<10.1														
p-(Dimethylamino)azobenzene	2021-10	ug/L																
p-(Dimethylamino)azobenzene	2021-12	ug/L	<10.5															
p-(Dimethylamino)azobenzene	2022-10	ug/L			<8.77													
p-(Dimethylamino)azobenzene	2024-04	ug/L		<10.2														
Parathion	2009-03	ug/L																
Parathion	2009-06	ug/L																
Parathion	2009-09	ug/L																
Parathion	2009-12	ug/L																
Parathion	2010-03	ug/L																
Parathion	2010-06	ug/L																
Parathion	2010-08	ug/L																
Parathion	2010-09	ug/L																
Parathion	2010-12	ug/L																
Parathion	2011-03	ug/L																
Parathion	2011-06	ug/L																
Parathion	2011-09	ug/L																
Parathion	2011-12	ug/L																
Parathion	2012-03	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Parathion	2014-12	ug/L															<10.2	
Parathion	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Parathion	2017-10	ug/L						<10.5										
Parathion	2017-12	ug/L					<10.6					<10.4						<10.4
Parathion	2018-07	ug/L											<10.4					
Parathion	2018-10	ug/L											<10.4					
Parathion	2019-05	ug/L																
Parathion	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Parathion	2021-12	ug/L																
Parathion	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Parathion	2024-04	ug/L											<10.6					
PCBs - Aroclor 1016	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1016	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1016	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1016	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1016	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1016	2010-06	ug/L										<0.800						
PCBs - Aroclor 1016	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1016	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1016	2010-12	ug/L										<0.800						
PCBs - Aroclor 1016	2011-03	ug/L											<0.800		<0.800			
PCBs - Aroclor 1016	2011-06	ug/L											<0.800		<0.800	<0.800	<0.800	
PCBs - Aroclor 1016	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1016	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1016	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1016	2014-12	ug/L															<0.816	
PCBs - Aroclor 1016	2016-10	ug/L							<0.86	<0.86	<0.86					<0.87	<0.808	
PCBs - Aroclor 1016	2017-10	ug/L						<0.808										
PCBs - Aroclor 1016	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1016	2018-07	ug/L											<0.808					
PCBs - Aroclor 1016	2018-10	ug/L											<0.8					
PCBs - Aroclor 1016	2019-05	ug/L																
PCBs - Aroclor 1016	2021-10	ug/L							<0.842	<0.842	<0.842					<0.842	<0.842	
PCBs - Aroclor 1016	2021-12	ug/L																
PCBs - Aroclor 1016	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1016	2024-04	ug/L											<0.8					
PCBs - Aroclor 1221	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1221	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1221	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1221	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1221	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1221	2010-06	ug/L										<0.800						
PCBs - Aroclor 1221	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1221	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1221	2010-12	ug/L										<0.800						
PCBs - Aroclor 1221	2011-03	ug/L											<0.800		<0.800			
PCBs - Aroclor 1221	2011-06	ug/L											<0.800		<0.800	<0.800	<0.800	
PCBs - Aroclor 1221	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1221	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1221	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1221	2014-12	ug/L															<0.816	
PCBs - Aroclor 1221	2016-10	ug/L							<0.86	<0.86	<0.86					<0.87	<0.808	
PCBs - Aroclor 1221	2017-10	ug/L						<0.808										
PCBs - Aroclor 1221	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1221	2018-07	ug/L											<0.808					
PCBs - Aroclor 1221	2018-10	ug/L											<0.8					
PCBs - Aroclor 1221	2019-05	ug/L																
PCBs - Aroclor 1221	2021-10	ug/L							<0.842	<0.842	<0.842					<0.842	<0.842	

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Parathion	2014-12	ug/L																
Parathion	2016-10	ug/L									<10.4					<10.3	<10.2	
Parathion	2017-10	ug/L																
Parathion	2017-12	ug/L			<10.4													
Parathion	2018-07	ug/L								<10.1								
Parathion	2018-10	ug/L								<10.3								
Parathion	2019-05	ug/L		<10.1														
Parathion	2021-10	ug/L																
Parathion	2021-12	ug/L	<10.5															
Parathion	2022-10	ug/L			<8.77													
Parathion	2024-04	ug/L		<10.2														
PCBs - Aroclor 1016	2009-03	ug/L																
PCBs - Aroclor 1016	2009-06	ug/L																
PCBs - Aroclor 1016	2009-09	ug/L																
PCBs - Aroclor 1016	2009-12	ug/L																
PCBs - Aroclor 1016	2010-03	ug/L																
PCBs - Aroclor 1016	2010-06	ug/L																
PCBs - Aroclor 1016	2010-08	ug/L																
PCBs - Aroclor 1016	2010-09	ug/L																
PCBs - Aroclor 1016	2010-12	ug/L																
PCBs - Aroclor 1016	2011-03	ug/L																
PCBs - Aroclor 1016	2011-06	ug/L																
PCBs - Aroclor 1016	2011-09	ug/L																
PCBs - Aroclor 1016	2011-12	ug/L																
PCBs - Aroclor 1016	2012-03	ug/L																
PCBs - Aroclor 1016	2014-12	ug/L																
PCBs - Aroclor 1016	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1016	2017-10	ug/L																
PCBs - Aroclor 1016	2017-12	ug/L			<0.842													
PCBs - Aroclor 1016	2018-07	ug/L								<0.808								
PCBs - Aroclor 1016	2018-10	ug/L								<0.833								
PCBs - Aroclor 1016	2019-05	ug/L		<0.808														
PCBs - Aroclor 1016	2021-10	ug/L																
PCBs - Aroclor 1016	2021-12	ug/L	<0.842															
PCBs - Aroclor 1016	2022-10	ug/L			<0.678													
PCBs - Aroclor 1016	2024-04	ug/L		<0.8														
PCBs - Aroclor 1221	2009-03	ug/L																
PCBs - Aroclor 1221	2009-06	ug/L																
PCBs - Aroclor 1221	2009-09	ug/L																
PCBs - Aroclor 1221	2009-12	ug/L																
PCBs - Aroclor 1221	2010-03	ug/L																
PCBs - Aroclor 1221	2010-06	ug/L																
PCBs - Aroclor 1221	2010-08	ug/L																
PCBs - Aroclor 1221	2010-09	ug/L																
PCBs - Aroclor 1221	2010-12	ug/L																
PCBs - Aroclor 1221	2011-03	ug/L																
PCBs - Aroclor 1221	2011-06	ug/L																
PCBs - Aroclor 1221	2011-09	ug/L																
PCBs - Aroclor 1221	2011-12	ug/L																
PCBs - Aroclor 1221	2012-03	ug/L																
PCBs - Aroclor 1221	2014-12	ug/L																
PCBs - Aroclor 1221	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1221	2017-10	ug/L																
PCBs - Aroclor 1221	2017-12	ug/L			<0.842													
PCBs - Aroclor 1221	2018-07	ug/L								<0.808								
PCBs - Aroclor 1221	2018-10	ug/L								<0.833								
PCBs - Aroclor 1221	2019-05	ug/L		<0.808														
PCBs - Aroclor 1221	2021-10	ug/L																



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**Table 19**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
PCBs - Aroclor 1221	2021-12	ug/L																
PCBs - Aroclor 1221	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1221	2024-04	ug/L											<0.8					
PCBs - Aroclor 1232	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1232	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1232	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1232	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800				<0.800				
PCBs - Aroclor 1232	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1232	2010-06	ug/L										<0.800						
PCBs - Aroclor 1232	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1232	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1232	2010-12	ug/L										<0.800						
PCBs - Aroclor 1232	2011-03	ug/L											<0.800		<0.800			
PCBs - Aroclor 1232	2011-06	ug/L											<0.800		<0.800	<0.800	<0.800	
PCBs - Aroclor 1232	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1232	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1232	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1232	2014-12	ug/L															<0.816	
PCBs - Aroclor 1232	2016-10	ug/L							<0.86	<0.86	<0.86					<0.87	<0.808	
PCBs - Aroclor 1232	2017-10	ug/L						<0.808										
PCBs - Aroclor 1232	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1232	2018-07	ug/L											<0.808					
PCBs - Aroclor 1232	2018-10	ug/L											<0.8					
PCBs - Aroclor 1232	2019-05	ug/L																
PCBs - Aroclor 1232	2021-10	ug/L							<0.842	<0.842	<0.842					<0.842	<0.842	
PCBs - Aroclor 1232	2021-12	ug/L																
PCBs - Aroclor 1232	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1232	2024-04	ug/L											<0.8					
PCBs - Aroclor 1242	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1242	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1242	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1242	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1242	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1242	2010-06	ug/L										<0.800						
PCBs - Aroclor 1242	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1242	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1242	2010-12	ug/L										<0.800						
PCBs - Aroclor 1242	2011-03	ug/L											<0.800		<0.800			
PCBs - Aroclor 1242	2011-06	ug/L											<0.800		<0.800	<0.800	<0.800	
PCBs - Aroclor 1242	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1242	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1242	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1242	2014-12	ug/L															<0.816	
PCBs - Aroclor 1242	2016-10	ug/L							<0.86	<0.86	<0.86					<0.87	<0.808	
PCBs - Aroclor 1242	2017-10	ug/L						<0.808										
PCBs - Aroclor 1242	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1242	2018-07	ug/L											<0.808					
PCBs - Aroclor 1242	2018-10	ug/L											<0.8					
PCBs - Aroclor 1242	2019-05	ug/L																
PCBs - Aroclor 1242	2021-10	ug/L							<0.842	<0.842	<0.842					<0.842	<0.842	
PCBs - Aroclor 1242	2021-12	ug/L																
PCBs - Aroclor 1242	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1242	2024-04	ug/L											<0.8					
PCBs - Aroclor 1248	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1248	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1248	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1248	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1248	2010-03	ug/L					<0.800				<0.800			<0.800				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
PCBs - Aroclor 1221	2021-12	ug/L	<0.842															
PCBs - Aroclor 1221	2022-10	ug/L			<0.678													
PCBs - Aroclor 1221	2024-04	ug/L		<0.8														
PCBs - Aroclor 1232	2009-03	ug/L																
PCBs - Aroclor 1232	2009-06	ug/L																
PCBs - Aroclor 1232	2009-09	ug/L																
PCBs - Aroclor 1232	2009-12	ug/L																
PCBs - Aroclor 1232	2010-03	ug/L																
PCBs - Aroclor 1232	2010-06	ug/L																
PCBs - Aroclor 1232	2010-08	ug/L																
PCBs - Aroclor 1232	2010-09	ug/L																
PCBs - Aroclor 1232	2010-12	ug/L																
PCBs - Aroclor 1232	2011-03	ug/L																
PCBs - Aroclor 1232	2011-06	ug/L																
PCBs - Aroclor 1232	2011-09	ug/L																
PCBs - Aroclor 1232	2011-12	ug/L																
PCBs - Aroclor 1232	2012-03	ug/L																
PCBs - Aroclor 1232	2014-12	ug/L																
PCBs - Aroclor 1232	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1232	2017-10	ug/L																
PCBs - Aroclor 1232	2017-12	ug/L			<0.842													
PCBs - Aroclor 1232	2018-07	ug/L								<0.808								
PCBs - Aroclor 1232	2018-10	ug/L								<0.833								
PCBs - Aroclor 1232	2019-05	ug/L		<0.808														
PCBs - Aroclor 1232	2021-10	ug/L																
PCBs - Aroclor 1232	2021-12	ug/L	<0.842															
PCBs - Aroclor 1232	2022-10	ug/L			<0.678													
PCBs - Aroclor 1232	2024-04	ug/L		<0.8														
PCBs - Aroclor 1242	2009-03	ug/L																
PCBs - Aroclor 1242	2009-06	ug/L																
PCBs - Aroclor 1242	2009-09	ug/L																
PCBs - Aroclor 1242	2009-12	ug/L																
PCBs - Aroclor 1242	2010-03	ug/L																
PCBs - Aroclor 1242	2010-06	ug/L																
PCBs - Aroclor 1242	2010-08	ug/L																
PCBs - Aroclor 1242	2010-09	ug/L																
PCBs - Aroclor 1242	2010-12	ug/L																
PCBs - Aroclor 1242	2011-03	ug/L																
PCBs - Aroclor 1242	2011-06	ug/L																
PCBs - Aroclor 1242	2011-09	ug/L																
PCBs - Aroclor 1242	2011-12	ug/L																
PCBs - Aroclor 1242	2012-03	ug/L																
PCBs - Aroclor 1242	2014-12	ug/L																
PCBs - Aroclor 1242	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1242	2017-10	ug/L																
PCBs - Aroclor 1242	2017-12	ug/L			<0.842													
PCBs - Aroclor 1242	2018-07	ug/L								<0.808								
PCBs - Aroclor 1242	2018-10	ug/L								<0.833								
PCBs - Aroclor 1242	2019-05	ug/L		<0.808														
PCBs - Aroclor 1242	2021-10	ug/L																
PCBs - Aroclor 1242	2021-12	ug/L	<0.842															
PCBs - Aroclor 1242	2022-10	ug/L			<0.678													
PCBs - Aroclor 1242	2024-04	ug/L		<0.8														
PCBs - Aroclor 1248	2009-03	ug/L																
PCBs - Aroclor 1248	2009-06	ug/L																
PCBs - Aroclor 1248	2009-09	ug/L																
PCBs - Aroclor 1248	2009-12	ug/L																
PCBs - Aroclor 1248	2010-03	ug/L																

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**Table 19**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
PCBs - Aroclor 1248	2010-06	ug/L										<0.800						
PCBs - Aroclor 1248	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1248	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1248	2010-12	ug/L										<0.800						
PCBs - Aroclor 1248	2011-03	ug/L										<0.800		<0.800				
PCBs - Aroclor 1248	2011-06	ug/L										<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1248	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1248	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1248	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1248	2014-12	ug/L															<0.816	
PCBs - Aroclor 1248	2016-10	ug/L						<0.86	<0.86	<0.86					<0.87	<0.808	<0.808	
PCBs - Aroclor 1248	2017-10	ug/L						<0.808										
PCBs - Aroclor 1248	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1248	2018-07	ug/L										<0.808						
PCBs - Aroclor 1248	2018-10	ug/L										<0.8						
PCBs - Aroclor 1248	2019-05	ug/L																
PCBs - Aroclor 1248	2021-10	ug/L							<0.842	<0.842	<0.842				<0.842	<0.842		
PCBs - Aroclor 1248	2021-12	ug/L																
PCBs - Aroclor 1248	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1248	2024-04	ug/L											<0.8					
PCBs - Aroclor 1254	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1254	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1254	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1254	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1254	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1254	2010-06	ug/L										<0.800						
PCBs - Aroclor 1254	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1254	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1254	2010-12	ug/L										<0.800						
PCBs - Aroclor 1254	2011-03	ug/L										<0.800		<0.800				
PCBs - Aroclor 1254	2011-06	ug/L										<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1254	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1254	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1254	2012-03	ug/L													<0.800	<0.800	<0.800	
PCBs - Aroclor 1254	2014-12	ug/L															<0.816	
PCBs - Aroclor 1254	2016-10	ug/L						<0.86	<0.86	<0.86					<0.87	<0.808	<0.808	
PCBs - Aroclor 1254	2017-10	ug/L						<0.808										
PCBs - Aroclor 1254	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1254	2018-07	ug/L										<0.808						
PCBs - Aroclor 1254	2018-10	ug/L										<0.8						
PCBs - Aroclor 1254	2019-05	ug/L																
PCBs - Aroclor 1254	2021-10	ug/L							<0.842	<0.842	<0.842				<0.842	<0.842		
PCBs - Aroclor 1254	2021-12	ug/L																
PCBs - Aroclor 1254	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1254	2024-04	ug/L											<0.8					
PCBs - Aroclor 1260	2009-03	ug/L						<0.8	<0.8	<0.8								
PCBs - Aroclor 1260	2009-06	ug/L					<0.800	<0.8	<0.8	<0.800	<0.8			<0.800				
PCBs - Aroclor 1260	2009-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1260	2009-12	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800			<0.800				
PCBs - Aroclor 1260	2010-03	ug/L					<0.800				<0.800			<0.800				
PCBs - Aroclor 1260	2010-06	ug/L										<0.800						
PCBs - Aroclor 1260	2010-08	ug/L										<0.800	<0.800					
PCBs - Aroclor 1260	2010-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800				
PCBs - Aroclor 1260	2010-12	ug/L										<0.800						
PCBs - Aroclor 1260	2011-03	ug/L										<0.800		<0.800				
PCBs - Aroclor 1260	2011-06	ug/L										<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1260	2011-09	ug/L					<0.800	<0.800	<0.800	<0.800	<0.800	<0.800		<0.800	<0.800	<0.800	<0.800	
PCBs - Aroclor 1260	2011-12	ug/L												<0.800	<0.800	<0.800	<0.800	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
PCBs - Aroclor 1248	2010-06	ug/L																
PCBs - Aroclor 1248	2010-08	ug/L																
PCBs - Aroclor 1248	2010-09	ug/L																
PCBs - Aroclor 1248	2010-12	ug/L																
PCBs - Aroclor 1248	2011-03	ug/L																
PCBs - Aroclor 1248	2011-06	ug/L																
PCBs - Aroclor 1248	2011-09	ug/L																
PCBs - Aroclor 1248	2011-12	ug/L																
PCBs - Aroclor 1248	2012-03	ug/L																
PCBs - Aroclor 1248	2014-12	ug/L																
PCBs - Aroclor 1248	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1248	2017-10	ug/L																
PCBs - Aroclor 1248	2017-12	ug/L			<0.842													
PCBs - Aroclor 1248	2018-07	ug/L								<0.808								
PCBs - Aroclor 1248	2018-10	ug/L								<0.833								
PCBs - Aroclor 1248	2019-05	ug/L		<0.808														
PCBs - Aroclor 1248	2021-10	ug/L																
PCBs - Aroclor 1248	2021-12	ug/L	<0.842															
PCBs - Aroclor 1248	2022-10	ug/L			<0.678													
PCBs - Aroclor 1248	2024-04	ug/L		<0.8														
PCBs - Aroclor 1254	2009-03	ug/L																
PCBs - Aroclor 1254	2009-06	ug/L																
PCBs - Aroclor 1254	2009-09	ug/L																
PCBs - Aroclor 1254	2009-12	ug/L																
PCBs - Aroclor 1254	2010-03	ug/L																
PCBs - Aroclor 1254	2010-06	ug/L																
PCBs - Aroclor 1254	2010-08	ug/L																
PCBs - Aroclor 1254	2010-09	ug/L																
PCBs - Aroclor 1254	2010-12	ug/L																
PCBs - Aroclor 1254	2011-03	ug/L																
PCBs - Aroclor 1254	2011-06	ug/L																
PCBs - Aroclor 1254	2011-09	ug/L																
PCBs - Aroclor 1254	2011-12	ug/L																
PCBs - Aroclor 1254	2012-03	ug/L																
PCBs - Aroclor 1254	2014-12	ug/L																
PCBs - Aroclor 1254	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1254	2017-10	ug/L																
PCBs - Aroclor 1254	2017-12	ug/L			<0.842													
PCBs - Aroclor 1254	2018-07	ug/L								<0.808								
PCBs - Aroclor 1254	2018-10	ug/L								<0.833								
PCBs - Aroclor 1254	2019-05	ug/L		<0.808														
PCBs - Aroclor 1254	2021-10	ug/L																
PCBs - Aroclor 1254	2021-12	ug/L	<0.842															
PCBs - Aroclor 1254	2022-10	ug/L			<0.678													
PCBs - Aroclor 1254	2024-04	ug/L		<0.8														
PCBs - Aroclor 1260	2009-03	ug/L																
PCBs - Aroclor 1260	2009-06	ug/L																
PCBs - Aroclor 1260	2009-09	ug/L																
PCBs - Aroclor 1260	2009-12	ug/L																
PCBs - Aroclor 1260	2010-03	ug/L																
PCBs - Aroclor 1260	2010-06	ug/L																
PCBs - Aroclor 1260	2010-08	ug/L																
PCBs - Aroclor 1260	2010-09	ug/L																
PCBs - Aroclor 1260	2010-12	ug/L																
PCBs - Aroclor 1260	2011-03	ug/L																
PCBs - Aroclor 1260	2011-06	ug/L																
PCBs - Aroclor 1260	2011-09	ug/L																
PCBs - Aroclor 1260	2011-12	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
PCBs - Aroclor 1260	2012-03	ug/L														<0.800	<0.800	
PCBs - Aroclor 1260	2014-12	ug/L															<0.816	
PCBs - Aroclor 1260	2016-10	ug/L							<0.86	<0.86	<0.86					<0.87	<0.808	
PCBs - Aroclor 1260	2017-10	ug/L						<0.808										
PCBs - Aroclor 1260	2017-12	ug/L					<0.87					<0.842						<0.842
PCBs - Aroclor 1260	2018-07	ug/L											<0.808					
PCBs - Aroclor 1260	2018-10	ug/L											<0.8					
PCBs - Aroclor 1260	2019-05	ug/L																
PCBs - Aroclor 1260	2021-10	ug/L							<0.842	<0.842	<0.842					<0.842	<0.842	
PCBs - Aroclor 1260	2021-12	ug/L																
PCBs - Aroclor 1260	2022-10	ug/L					<0.678	<0.702				<0.678						<0.727
PCBs - Aroclor 1260	2024-04	ug/L											<0.8					
Pentachlorobenzene	2009-03	ug/L						<10	<10	<10								
Pentachlorobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Pentachlorobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachlorobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachlorobenzene	2010-03	ug/L					<10.0			<10.0				<10.0				
Pentachlorobenzene	2010-06	ug/L										<10.0						
Pentachlorobenzene	2010-08	ug/L										<10.0	<10.0					
Pentachlorobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Pentachlorobenzene	2010-12	ug/L										<10.0						
Pentachlorobenzene	2011-03	ug/L											<10.0		<10.0			
Pentachlorobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Pentachlorobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Pentachlorobenzene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Pentachlorobenzene	2012-03	ug/L													<10.0	<10.0	<10.0	
Pentachlorobenzene	2014-12	ug/L														<10.2	<10.2	
Pentachlorobenzene	2016-10	ug/L						<10	<10	<10.9						<11.2	<11.1	
Pentachlorobenzene	2017-10	ug/L						<10.5										
Pentachlorobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
Pentachlorobenzene	2018-07	ug/L											<10.4					
Pentachlorobenzene	2018-10	ug/L											<10.4					
Pentachlorobenzene	2019-05	ug/L																
Pentachlorobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Pentachlorobenzene	2021-12	ug/L																
Pentachlorobenzene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Pentachlorobenzene	2024-04	ug/L											<10.6					
Pentachloronitrobenzene	2009-03	ug/L						<10	<10	<10								
Pentachloronitrobenzene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Pentachloronitrobenzene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachloronitrobenzene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachloronitrobenzene	2010-03	ug/L					<10.0			<10.0				<10.0				
Pentachloronitrobenzene	2010-06	ug/L										<10.0						
Pentachloronitrobenzene	2010-08	ug/L										<10.0	<10.0					
Pentachloronitrobenzene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Pentachloronitrobenzene	2010-12	ug/L										<10.0						
Pentachloronitrobenzene	2011-03	ug/L											<10.0		<10.0			
Pentachloronitrobenzene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Pentachloronitrobenzene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Pentachloronitrobenzene	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Pentachloronitrobenzene	2012-03	ug/L													<10.0	<10.0	<10.0	
Pentachloronitrobenzene	2014-12	ug/L														<10.2	<10.2	
Pentachloronitrobenzene	2016-10	ug/L						<10		<10.9						<11.2	<11.1	
Pentachloronitrobenzene	2017-10	ug/L						<10.5										
Pentachloronitrobenzene	2017-12	ug/L					<10.6					<10.4						<10.4
Pentachloronitrobenzene	2018-07	ug/L											<10.4					
Pentachloronitrobenzene	2018-10	ug/L											<10.4					
Pentachloronitrobenzene	2019-05	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
PCBs - Aroclor 1260	2012-03	ug/L																
PCBs - Aroclor 1260	2014-12	ug/L																
PCBs - Aroclor 1260	2016-10	ug/L									<0.808					<1.67	<0.842	
PCBs - Aroclor 1260	2017-10	ug/L																
PCBs - Aroclor 1260	2017-12	ug/L			<0.842													
PCBs - Aroclor 1260	2018-07	ug/L								<0.808								
PCBs - Aroclor 1260	2018-10	ug/L								<0.833								
PCBs - Aroclor 1260	2019-05	ug/L		<0.808														
PCBs - Aroclor 1260	2021-10	ug/L																
PCBs - Aroclor 1260	2021-12	ug/L	<0.842															
PCBs - Aroclor 1260	2022-10	ug/L			<0.678													
PCBs - Aroclor 1260	2024-04	ug/L		<0.8														
Pentachlorobenzene	2009-03	ug/L																
Pentachlorobenzene	2009-06	ug/L																
Pentachlorobenzene	2009-09	ug/L																
Pentachlorobenzene	2009-12	ug/L																
Pentachlorobenzene	2010-03	ug/L																
Pentachlorobenzene	2010-06	ug/L																
Pentachlorobenzene	2010-08	ug/L																
Pentachlorobenzene	2010-09	ug/L																
Pentachlorobenzene	2010-12	ug/L																
Pentachlorobenzene	2011-03	ug/L																
Pentachlorobenzene	2011-06	ug/L																
Pentachlorobenzene	2011-09	ug/L																
Pentachlorobenzene	2011-12	ug/L																
Pentachlorobenzene	2012-03	ug/L																
Pentachlorobenzene	2014-12	ug/L																
Pentachlorobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
Pentachlorobenzene	2017-10	ug/L																
Pentachlorobenzene	2017-12	ug/L			<10.4													
Pentachlorobenzene	2018-07	ug/L								<10.1								
Pentachlorobenzene	2018-10	ug/L								<10.3								
Pentachlorobenzene	2019-05	ug/L		<10.1														
Pentachlorobenzene	2021-10	ug/L																
Pentachlorobenzene	2021-12	ug/L	<10.5															
Pentachlorobenzene	2022-10	ug/L			<8.77													
Pentachlorobenzene	2024-04	ug/L		<10.2														
Pentachloronitrobenzene	2009-03	ug/L																
Pentachloronitrobenzene	2009-06	ug/L																
Pentachloronitrobenzene	2009-09	ug/L																
Pentachloronitrobenzene	2009-12	ug/L																
Pentachloronitrobenzene	2010-03	ug/L																
Pentachloronitrobenzene	2010-06	ug/L																
Pentachloronitrobenzene	2010-08	ug/L																
Pentachloronitrobenzene	2010-09	ug/L																
Pentachloronitrobenzene	2010-12	ug/L																
Pentachloronitrobenzene	2011-03	ug/L																
Pentachloronitrobenzene	2011-06	ug/L																
Pentachloronitrobenzene	2011-09	ug/L																
Pentachloronitrobenzene	2011-12	ug/L																
Pentachloronitrobenzene	2012-03	ug/L																
Pentachloronitrobenzene	2014-12	ug/L																
Pentachloronitrobenzene	2016-10	ug/L									<10.4					<10.3	<10.2	
Pentachloronitrobenzene	2017-10	ug/L																
Pentachloronitrobenzene	2017-12	ug/L			<10.4													
Pentachloronitrobenzene	2018-07	ug/L								<10.1								
Pentachloronitrobenzene	2018-10	ug/L								<10.3								
Pentachloronitrobenzene	2019-05	ug/L		<10.1														

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**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Pentachloronitrobenzene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Pentachloronitrobenzene	2021-12	ug/L																
Pentachloronitrobenzene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Pentachloronitrobenzene	2024-04	ug/L											<10.6					
Pentachlorophenol	2009-03	ug/L						<10	<10	<10								
Pentachlorophenol	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Pentachlorophenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachlorophenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pentachlorophenol	2010-03	ug/L					<10.0				<10.0			<10.0				
Pentachlorophenol	2010-06	ug/L										<10.0						
Pentachlorophenol	2010-08	ug/L										<10.0	<10.0					
Pentachlorophenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Pentachlorophenol	2010-12	ug/L										<10.0						
Pentachlorophenol	2011-03	ug/L											<10.0		<10.0			
Pentachlorophenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Pentachlorophenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Pentachlorophenol	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Pentachlorophenol	2012-03	ug/L													<10.0	<10.0		
Pentachlorophenol	2014-12	ug/L																<10.2
Pentachlorophenol	2016-10	ug/L							1.88 J	1.56 J	<10.9					<11.2	<11.1	
Pentachlorophenol	2017-10	ug/L						<10.5										
Pentachlorophenol	2017-12	ug/L					<10.6					<10.4						<10.4
Pentachlorophenol	2018-07	ug/L											<10.4					
Pentachlorophenol	2018-10	ug/L											<10.4					
Pentachlorophenol	2019-05	ug/L																
Pentachlorophenol	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Pentachlorophenol	2021-12	ug/L																
Pentachlorophenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Pentachlorophenol	2024-04	ug/L											<10.6					
Phenacetin	2009-03	ug/L						<10	<10	<10								
Phenacetin	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Phenacetin	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phenacetin	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phenacetin	2010-03	ug/L					<10.0				<10.0			<10.0				
Phenacetin	2010-06	ug/L										<10.0						
Phenacetin	2010-08	ug/L										<10.0	<10.0					
Phenacetin	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Phenacetin	2010-12	ug/L										<10.0						
Phenacetin	2011-03	ug/L											<10.0		<10.0			
Phenacetin	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Phenacetin	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Phenacetin	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Phenacetin	2012-03	ug/L													<10.0	<10.0	<10.0	
Phenacetin	2014-12	ug/L																<10.2
Phenacetin	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Phenacetin	2017-10	ug/L						<10.5										
Phenacetin	2017-12	ug/L					<10.6					<10.4						<10.4
Phenacetin	2018-07	ug/L											<10.4					
Phenacetin	2018-10	ug/L											<10.4					
Phenacetin	2019-05	ug/L																
Phenacetin	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Phenacetin	2021-12	ug/L																
Phenacetin	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Phenacetin	2024-04	ug/L											<10.6					
Phenanthrene	2009-03	ug/L						<10	<10	<10								
Phenanthrene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Phenanthrene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phenanthrene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Pentachloronitrobenzene	2021-10	ug/L																
Pentachloronitrobenzene	2021-12	ug/L	<10.5															
Pentachloronitrobenzene	2022-10	ug/L			<8.77													
Pentachloronitrobenzene	2024-04	ug/L		<10.2														
Pentachlorophenol	2009-03	ug/L																
Pentachlorophenol	2009-06	ug/L																
Pentachlorophenol	2009-09	ug/L																
Pentachlorophenol	2009-12	ug/L																
Pentachlorophenol	2010-03	ug/L																
Pentachlorophenol	2010-06	ug/L																
Pentachlorophenol	2010-08	ug/L																
Pentachlorophenol	2010-09	ug/L																
Pentachlorophenol	2010-12	ug/L																
Pentachlorophenol	2011-03	ug/L																
Pentachlorophenol	2011-06	ug/L																
Pentachlorophenol	2011-09	ug/L																
Pentachlorophenol	2011-12	ug/L																
Pentachlorophenol	2012-03	ug/L																
Pentachlorophenol	2014-12	ug/L																
Pentachlorophenol	2016-10	ug/L								<10.4						<10.3	<10.2	
Pentachlorophenol	2017-10	ug/L																
Pentachlorophenol	2017-12	ug/L			<10.4													
Pentachlorophenol	2018-07	ug/L								<10.1								
Pentachlorophenol	2018-10	ug/L								<10.3								
Pentachlorophenol	2019-05	ug/L		<10.1														
Pentachlorophenol	2021-10	ug/L																
Pentachlorophenol	2021-12	ug/L	<10.5															
Pentachlorophenol	2022-10	ug/L			<8.77													
Pentachlorophenol	2024-04	ug/L		<10.2														
Phenacetin	2009-03	ug/L																
Phenacetin	2009-06	ug/L																
Phenacetin	2009-09	ug/L																
Phenacetin	2009-12	ug/L																
Phenacetin	2010-03	ug/L																
Phenacetin	2010-06	ug/L																
Phenacetin	2010-08	ug/L																
Phenacetin	2010-09	ug/L																
Phenacetin	2010-12	ug/L																
Phenacetin	2011-03	ug/L																
Phenacetin	2011-06	ug/L																
Phenacetin	2011-09	ug/L																
Phenacetin	2011-12	ug/L																
Phenacetin	2012-03	ug/L																
Phenacetin	2014-12	ug/L																
Phenacetin	2016-10	ug/L								<10.4						<10.3	<10.2	
Phenacetin	2017-10	ug/L																
Phenacetin	2017-12	ug/L			<10.4													
Phenacetin	2018-07	ug/L								<10.1								
Phenacetin	2018-10	ug/L								<10.3								
Phenacetin	2019-05	ug/L		<10.1														
Phenacetin	2021-10	ug/L																
Phenacetin	2021-12	ug/L	<10.5															
Phenacetin	2022-10	ug/L			<8.77													
Phenacetin	2024-04	ug/L		<10.2														
Phenanthrene	2009-03	ug/L																
Phenanthrene	2009-06	ug/L																
Phenanthrene	2009-09	ug/L																
Phenanthrene	2009-12	ug/L																



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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Phenanthrene	2010-03	ug/L					<10.0				<10.0			<10.0				
Phenanthrene	2010-06	ug/L										<10.0						
Phenanthrene	2010-08	ug/L										<10.0	<10.0					
Phenanthrene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Phenanthrene	2010-12	ug/L										<10.0						
Phenanthrene	2011-03	ug/L											<10.0		<10.0			
Phenanthrene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Phenanthrene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
Phenanthrene	2011-12	ug/L													<10.0	<10.0	<10.0	
Phenanthrene	2012-03	ug/L														<10.0	<10.0	<10.0
Phenanthrene	2014-12	ug/L															<10.2	
Phenanthrene	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Phenanthrene	2017-10	ug/L						<10.5										
Phenanthrene	2017-12	ug/L					<10.6					<10.4						<10.4
Phenanthrene	2018-07	ug/L											<10.4					
Phenanthrene	2018-10	ug/L											<10.4					
Phenanthrene	2019-05	ug/L																
Phenanthrene	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Phenanthrene	2021-12	ug/L																
Phenanthrene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Phenanthrene	2024-04	ug/L											<10.6					
Phenol	2009-03	ug/L						<20	<20	<20	<20			<20.0				
Phenol	2009-06	ug/L					<20.0	<20	<20	<20.0	<20			<20.0				
Phenol	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phenol	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phenol	2010-03	ug/L					<10.0				<10.0			<10.0				
Phenol	2010-06	ug/L										<10.0						
Phenol	2010-08	ug/L										<10.0	<10.0					
Phenol	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Phenol	2010-12	ug/L										<10.0						
Phenol	2011-03	ug/L											<10.0		<10.0			
Phenol	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Phenol	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Phenol	2011-12	ug/L													<10.0	<10.0	<10.0	
Phenol	2012-03	ug/L														<10.0	<10.0	
Phenol	2014-12	ug/L															<10.2	
Phenol	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Phenol	2017-10	ug/L						<10.5										
Phenol	2017-12	ug/L					<10.6					<10.4						<10.4
Phenol	2018-07	ug/L											<10.4					
Phenol	2018-10	ug/L											<10.4					
Phenol	2019-05	ug/L																
Phenol	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Phenol	2021-12	ug/L																
Phenol	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Phenol	2024-04	ug/L											<10.6					
Phorate	2009-03	ug/L						<60	<60	<60								
Phorate	2009-06	ug/L					<60.0	<60	<60	<60.0	<60			<60.0				
Phorate	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phorate	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Phorate	2010-03	ug/L					<10.0				<10.0			<10.0				
Phorate	2010-06	ug/L										<10.0						
Phorate	2010-08	ug/L										<10.0	<10.0					
Phorate	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Phorate	2010-12	ug/L										<10.0						
Phorate	2011-03	ug/L											<10.0		<10.0			
Phorate	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Phorate	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Phenanthrene	2010-03	ug/L																
Phenanthrene	2010-06	ug/L																
Phenanthrene	2010-08	ug/L																
Phenanthrene	2010-09	ug/L																
Phenanthrene	2010-12	ug/L																
Phenanthrene	2011-03	ug/L																
Phenanthrene	2011-06	ug/L																
Phenanthrene	2011-09	ug/L																
Phenanthrene	2011-12	ug/L																
Phenanthrene	2012-03	ug/L																
Phenanthrene	2014-12	ug/L																
Phenanthrene	2016-10	ug/L									<10.4					<10.3	<10.2	
Phenanthrene	2017-10	ug/L																
Phenanthrene	2017-12	ug/L			<10.4													
Phenanthrene	2018-07	ug/L								<10.1								
Phenanthrene	2018-10	ug/L								<10.3								
Phenanthrene	2019-05	ug/L		<10.1														
Phenanthrene	2021-10	ug/L																
Phenanthrene	2021-12	ug/L	<10.5															
Phenanthrene	2022-10	ug/L			<8.77													
Phenanthrene	2024-04	ug/L		<10.2														
Phenol	2009-03	ug/L																
Phenol	2009-06	ug/L																
Phenol	2009-09	ug/L																
Phenol	2009-12	ug/L																
Phenol	2010-03	ug/L																
Phenol	2010-06	ug/L																
Phenol	2010-08	ug/L																
Phenol	2010-09	ug/L																
Phenol	2010-12	ug/L																
Phenol	2011-03	ug/L																
Phenol	2011-06	ug/L																
Phenol	2011-09	ug/L																
Phenol	2011-12	ug/L																
Phenol	2012-03	ug/L																
Phenol	2014-12	ug/L																
Phenol	2016-10	ug/L									<10.4					<10.3	<10.2	
Phenol	2017-10	ug/L																
Phenol	2017-12	ug/L			<10.4													
Phenol	2018-07	ug/L								<10.1								
Phenol	2018-10	ug/L								<10.3								
Phenol	2019-05	ug/L		<10.1														
Phenol	2021-10	ug/L																
Phenol	2021-12	ug/L	<10.5															
Phenol	2022-10	ug/L			<8.77													
Phenol	2024-04	ug/L		<10.2														
Phorate	2009-03	ug/L																
Phorate	2009-06	ug/L																
Phorate	2009-09	ug/L																
Phorate	2009-12	ug/L																
Phorate	2010-03	ug/L																
Phorate	2010-06	ug/L																
Phorate	2010-08	ug/L																
Phorate	2010-09	ug/L																
Phorate	2010-12	ug/L																
Phorate	2011-03	ug/L																
Phorate	2011-06	ug/L																
Phorate	2011-09	ug/L																

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Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Phorate	2011-12	ug/L													<10.0	<10.0	<10.0	
Phorate	2012-03	ug/L													<10.0	<10.0	<10.0	
Phorate	2014-12	ug/L															<10.2	
Phorate	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Phorate	2017-10	ug/L						<10.5										
Phorate	2017-12	ug/L					<10.6					<10.4						<10.4
Phorate	2018-07	ug/L											<10.4					
Phorate	2018-10	ug/L											<10.4					
Phorate	2019-05	ug/L																
Phorate	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Phorate	2021-12	ug/L																
Phorate	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Phorate	2024-04	ug/L											<10.6					
p-Phenylenediamine	2009-03	ug/L						<10	<10	<10								
p-Phenylenediamine	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
p-Phenylenediamine	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
p-Phenylenediamine	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
p-Phenylenediamine	2010-03	ug/L					<10.0				<10.0			<10.0				
p-Phenylenediamine	2010-06	ug/L										<10.0						
p-Phenylenediamine	2010-08	ug/L										<10.0	<10.0					
p-Phenylenediamine	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
p-Phenylenediamine	2010-12	ug/L										<10.0						
p-Phenylenediamine	2011-03	ug/L											<10.0		<10.0			
p-Phenylenediamine	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
p-Phenylenediamine	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
p-Phenylenediamine	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
p-Phenylenediamine	2012-03	ug/L													<10.0	<10.0	<10.0	
p-Phenylenediamine	2014-12	ug/L															<10.2	
p-Phenylenediamine	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
p-Phenylenediamine	2017-10	ug/L						<10.5										
p-Phenylenediamine	2017-12	ug/L					<10.6					<10.4						<10.4
p-Phenylenediamine	2018-07	ug/L											<10.4					
p-Phenylenediamine	2018-10	ug/L											<10.4					
p-Phenylenediamine	2019-05	ug/L																
p-Phenylenediamine	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
p-Phenylenediamine	2021-12	ug/L																
p-Phenylenediamine	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
p-Phenylenediamine	2024-04	ug/L											<10.6					
Pronamide	2009-03	ug/L						<10	<10	<10								
Pronamide	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Pronamide	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pronamide	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pronamide	2010-03	ug/L					<10.0				<10.0			<10.0				
Pronamide	2010-06	ug/L										<10.0						
Pronamide	2010-08	ug/L										<10.0	<10.0					
Pronamide	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Pronamide	2010-12	ug/L										<10.0						
Pronamide	2011-03	ug/L											<10.0		<10.0			
Pronamide	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Pronamide	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Pronamide	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Pronamide	2012-03	ug/L													<10.0	<10.0	<10.0	
Pronamide	2014-12	ug/L															<10.2	
Pronamide	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Pronamide	2017-10	ug/L						<10.5										
Pronamide	2017-12	ug/L					<10.6					<10.4						<10.4
Pronamide	2018-07	ug/L											<10.4					
Pronamide	2018-10	ug/L											<10.4					

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Phorate	2011-12	ug/L																
Phorate	2012-03	ug/L																
Phorate	2014-12	ug/L																
Phorate	2016-10	ug/L									<10.4					<10.3	<10.2	
Phorate	2017-10	ug/L																
Phorate	2017-12	ug/L			<10.4													
Phorate	2018-07	ug/L								<10.1								
Phorate	2018-10	ug/L								<10.3								
Phorate	2019-05	ug/L		<10.1														
Phorate	2021-10	ug/L																
Phorate	2021-12	ug/L	<10.5															
Phorate	2022-10	ug/L			<8.77													
Phorate	2024-04	ug/L		<10.2														
p-Phenylenediamine	2009-03	ug/L																
p-Phenylenediamine	2009-06	ug/L																
p-Phenylenediamine	2009-09	ug/L																
p-Phenylenediamine	2009-12	ug/L																
p-Phenylenediamine	2010-03	ug/L																
p-Phenylenediamine	2010-06	ug/L																
p-Phenylenediamine	2010-08	ug/L																
p-Phenylenediamine	2010-09	ug/L																
p-Phenylenediamine	2010-12	ug/L																
p-Phenylenediamine	2011-03	ug/L																
p-Phenylenediamine	2011-06	ug/L																
p-Phenylenediamine	2011-09	ug/L																
p-Phenylenediamine	2011-12	ug/L																
p-Phenylenediamine	2012-03	ug/L																
p-Phenylenediamine	2014-12	ug/L																
p-Phenylenediamine	2016-10	ug/L									<10.4					<10.3	<10.2	
p-Phenylenediamine	2017-10	ug/L																
p-Phenylenediamine	2017-12	ug/L			<10.4													
p-Phenylenediamine	2018-07	ug/L								<10.1								
p-Phenylenediamine	2018-10	ug/L								<10.3								
p-Phenylenediamine	2019-05	ug/L		<10.1														
p-Phenylenediamine	2021-10	ug/L																
p-Phenylenediamine	2021-12	ug/L	<10.5															
p-Phenylenediamine	2022-10	ug/L			<8.77													
p-Phenylenediamine	2024-04	ug/L		<10.2														
Pronamide	2009-03	ug/L																
Pronamide	2009-06	ug/L																
Pronamide	2009-09	ug/L																
Pronamide	2009-12	ug/L																
Pronamide	2010-03	ug/L																
Pronamide	2010-06	ug/L																
Pronamide	2010-08	ug/L																
Pronamide	2010-09	ug/L																
Pronamide	2010-12	ug/L																
Pronamide	2011-03	ug/L																
Pronamide	2011-06	ug/L																
Pronamide	2011-09	ug/L																
Pronamide	2011-12	ug/L																
Pronamide	2012-03	ug/L																
Pronamide	2014-12	ug/L																
Pronamide	2016-10	ug/L									<10.4					<10.3	<10.2	
Pronamide	2017-10	ug/L																
Pronamide	2017-12	ug/L			<10.4													
Pronamide	2018-07	ug/L								<10.1								
Pronamide	2018-10	ug/L								<10.3								

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Pronamide	2019-05	ug/L																
Pronamide	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Pronamide	2021-12	ug/L																
Pronamide	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Pronamide	2024-04	ug/L											<10.6					
Propionitrile	2009-03	ug/L						<10	<10	<10								
Propionitrile	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
Propionitrile	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Propionitrile	2009-12	ug/L					<20.0	<20.0	<20.0	<10.0	<10.0			<10.0				
Propionitrile	2010-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Propionitrile	2010-06	ug/L										<10.0						
Propionitrile	2010-08	ug/L										<10.0	<10.0					
Propionitrile	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Propionitrile	2010-12	ug/L										<10.0						
Propionitrile	2011-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
Propionitrile	2011-04	ug/L					<10.0		<10.0	<10.0	<10.0							<10.0
Propionitrile	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Propionitrile	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Propionitrile	2011-12	ug/L													<10.0	<10.0	<10.0	
Propionitrile	2012-03	ug/L												<10.0		<10.0	<10.0	
Propionitrile	2014-12	ug/L																<10.0
Propionitrile	2016-10	ug/L							<10	<10	<10					<10	<10	
Propionitrile	2017-10	ug/L						<10										<10
Propionitrile	2017-12	ug/L					<10					<10						
Propionitrile	2018-07	ug/L											<10					
Propionitrile	2018-10	ug/L											<10					
Propionitrile	2019-05	ug/L																
Propionitrile	2021-10	ug/L							<10	<10	<10					<10	<10	
Propionitrile	2021-12	ug/L																
Propionitrile	2022-10	ug/L					<10	<10				<10						<10
Propionitrile	2024-04	ug/L											<10					
Pyrene	2009-03	ug/L																
Pyrene	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Pyrene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pyrene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Pyrene	2010-03	ug/L					<10.0				<10.0			<10.0				
Pyrene	2010-06	ug/L										<10.0						
Pyrene	2010-08	ug/L										<10.0	<10.0					
Pyrene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Pyrene	2010-12	ug/L										<10.0						
Pyrene	2011-03	ug/L											<10.0		<10.0			
Pyrene	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Pyrene	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Pyrene	2011-12	ug/L												<10.0		<10.0	<10.0	
Pyrene	2012-03	ug/L													<10.0	<10.0	<10.0	
Pyrene	2014-12	ug/L																<10.2
Pyrene	2016-10	ug/L							<10	<10	<10.9				<11.2	<11.1		
Pyrene	2017-10	ug/L																
Pyrene	2017-12	ug/L					<10.6					<10.4						<10.4
Pyrene	2018-07	ug/L											<10.4					
Pyrene	2018-10	ug/L											<10.4					
Pyrene	2019-05	ug/L																
Pyrene	2021-10	ug/L							<10.5	<10.5	<10.2					<10.4	<10.5	
Pyrene	2021-12	ug/L																
Pyrene	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Pyrene	2024-04	ug/L											<10.6					
Safrole	2009-03	ug/L						<10	<10	<10								
Safrole	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Pronamide	2019-05	ug/L		<10.1														
Pronamide	2021-10	ug/L																
Pronamide	2021-12	ug/L	<10.5															
Pronamide	2022-10	ug/L			<8.77													
Pronamide	2024-04	ug/L		<10.2														
Propionitrile	2009-03	ug/L																
Propionitrile	2009-06	ug/L																
Propionitrile	2009-09	ug/L																
Propionitrile	2009-12	ug/L																
Propionitrile	2010-03	ug/L																
Propionitrile	2010-06	ug/L																
Propionitrile	2010-08	ug/L																
Propionitrile	2010-09	ug/L																
Propionitrile	2010-12	ug/L																
Propionitrile	2011-03	ug/L																
Propionitrile	2011-04	ug/L																
Propionitrile	2011-06	ug/L																
Propionitrile	2011-09	ug/L																
Propionitrile	2011-12	ug/L																
Propionitrile	2012-03	ug/L																
Propionitrile	2014-12	ug/L																
Propionitrile	2016-10	ug/L									<10					<10	<10	
Propionitrile	2017-10	ug/L																
Propionitrile	2017-12	ug/L			<10													
Propionitrile	2018-07	ug/L								<10								
Propionitrile	2018-10	ug/L								<10								
Propionitrile	2019-05	ug/L		<10														
Propionitrile	2021-10	ug/L																
Propionitrile	2021-12	ug/L	<10															
Propionitrile	2022-10	ug/L			<10													
Propionitrile	2024-04	ug/L		<10														
Pyrene	2009-03	ug/L																
Pyrene	2009-06	ug/L																
Pyrene	2009-09	ug/L																
Pyrene	2009-12	ug/L																
Pyrene	2010-03	ug/L																
Pyrene	2010-06	ug/L																
Pyrene	2010-08	ug/L																
Pyrene	2010-09	ug/L																
Pyrene	2010-12	ug/L																
Pyrene	2011-03	ug/L																
Pyrene	2011-06	ug/L																
Pyrene	2011-09	ug/L																
Pyrene	2011-12	ug/L																
Pyrene	2012-03	ug/L																
Pyrene	2014-12	ug/L																
Pyrene	2016-10	ug/L									<10.4					<10.3	<10.2	
Pyrene	2017-10	ug/L																
Pyrene	2017-12	ug/L			<10.4													
Pyrene	2018-07	ug/L								<10.1								
Pyrene	2018-10	ug/L								<10.3								
Pyrene	2019-05	ug/L		<10.1														
Pyrene	2021-10	ug/L																
Pyrene	2021-12	ug/L	<10.5															
Pyrene	2022-10	ug/L			<8.77													
Pyrene	2024-04	ug/L		<10.2														
Safrole	2009-03	ug/L																
Safrole	2009-06	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Safrole	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Safrole	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Safrole	2010-03	ug/L					<10.0				<10.0			<10.0				
Safrole	2010-06	ug/L										<10.0						
Safrole	2010-08	ug/L										<10.0	<10.0					
Safrole	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Safrole	2010-12	ug/L										<10.0						
Safrole	2011-03	ug/L											<10.0		<10.0			
Safrole	2011-06	ug/L											<10.0		<10.0	<10.0	<10.0	
Safrole	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Safrole	2011-12	ug/L													<10.0	<10.0	<10.0	
Safrole	2012-03	ug/L														<10.0	<10.0	
Safrole	2014-12	ug/L															<10.2	
Safrole	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Safrole	2017-10	ug/L																
Safrole	2017-12	ug/L					<10.6					<10.4						<10.4
Safrole	2018-07	ug/L											<10.4					
Safrole	2018-10	ug/L											<10.4					
Safrole	2019-05	ug/L																
Safrole	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Safrole	2021-12	ug/L																
Safrole	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Safrole	2024-04	ug/L											<10.6					
Selenium	2012-10	mg/L	<0.00500	<0.00500			<0.00500	<0.00500	<0.00500	<0.00500	<0.00500			<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Selenium	2013-03	mg/L	<0.00500	<0.00500			<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500		<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Selenium	2013-06	mg/L																
Selenium	2013-09	mg/L	<b>0.00238</b>	<0.00500			<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500		<0.00500	<0.00500	<0.00500	<b>0.00236</b>	<0.00500
Selenium	2013-11	mg/L																
Selenium	2014-03	mg/L	<b>0.000703</b>	<0.00500			<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Selenium	2014-06	mg/L																
Selenium	2014-09	mg/L	<0.005	<0.005			<0.00500	<0.00500	<0.00500	<0.00500	<0.005	<0.005	<0.005	<0.00500	<0.00500	<0.00500	<0.00500	<0.005
Selenium	2014-12	mg/L																<0.00500
Selenium	2015-04	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
Selenium	2015-10	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
Selenium	2016-04	mg/L	<b>0.0008 Je</b>	<0.005			<b>0.000668 J</b>	<b>0.000761 J</b>	<b>0.001024 J</b>	<b>0.001275 J</b>	<b>0.000665 J</b>	<b>0.000967 J</b>	<0.005			<0.005	<0.005	<b>0.00064 Je</b>
Selenium	2016-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<b>0.000716 J</b>	<0.005	<0.005
Selenium	2017-03	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
Selenium	2017-10	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
Selenium	2017-12	mg/L					<0.005							<0.005				<0.005
Selenium	2018-04	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	2018-07	mg/L																<0.005
Selenium	2018-10	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
Selenium	2019-01	mg/L																
Selenium	2019-03	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
Selenium	2019-05	mg/L																
Selenium	2019-10	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
Selenium	2020-03	mg/L	<0.005	<0.005			<b>0.00213 Je</b>	<b>0.00137 J</b>	<b>0.00168 J</b>	<0.005	<0.005	<0.005	<0.005			<b>0.00123 J</b>	<b>0.00132 J</b>	<0.005
Selenium	2020-09	mg/L	<0.005	<0.005			<0.005	<b>0.00113 J</b>	<0.005	<b>0.00126 J</b>	<0.005	<0.005	<0.005			<b>0.00198 J</b>	<0.005	<0.005
Selenium	2020-11	mg/L	<0.005															
Selenium	2020-12	mg/L	<0.005															
Selenium	2021-03	mg/L	<b>0.00125 J</b>	<0.005			<0.005	<0.005	<b>0.00101 J</b>	<b>0.00119 J</b>	<b>0.00101 J</b>	<0.005	<0.005			<b>0.00147 J</b>	<0.005	<0.005
Selenium	2021-05	mg/L																
Selenium	2021-08	mg/L																
Selenium	2021-10	mg/L	<0.005	<0.005	<0.005		<0.005	<b>0.00176 J</b>	<0.005	<0.005	<0.005	<0.005	<0.005			<b>0.00137 J</b>	<0.005	<0.005
Selenium	2021-12	mg/L																
Selenium	2022-02	mg/L	<0.005		<0.005	<0.005												
Selenium	2022-04	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00112 J</b>	<b>0.000998 J</b>	<b>0.00116 J</b>			<0.005	<0.005	<0.005
Selenium	2022-07	mg/L			<0.005	<0.005												

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Safrole	2009-09	ug/L																
Safrole	2009-12	ug/L																
Safrole	2010-03	ug/L																
Safrole	2010-06	ug/L																
Safrole	2010-08	ug/L																
Safrole	2010-09	ug/L																
Safrole	2010-12	ug/L																
Safrole	2011-03	ug/L																
Safrole	2011-06	ug/L																
Safrole	2011-09	ug/L																
Safrole	2011-12	ug/L																
Safrole	2012-03	ug/L																
Safrole	2014-12	ug/L																
Safrole	2016-10	ug/L									<10.4					<10.3	<10.2	
Safrole	2017-10	ug/L																
Safrole	2017-12	ug/L			<10.4													
Safrole	2018-07	ug/L								<10.1								
Safrole	2018-10	ug/L								<10.3								
Safrole	2019-05	ug/L		<10.1														
Safrole	2021-10	ug/L																
Safrole	2021-12	ug/L	<10.5															
Safrole	2022-10	ug/L			<8.77													
Safrole	2024-04	ug/L		<10.2														
Selenium	2012-10	mg/L								<0.00500			<0.00500		<0.00500	<0.00500	<0.00500	
Selenium	2013-03	mg/L	<0.00500							<0.00500						0.00378	<0.00500	
Selenium	2013-06	mg/L			0.00985													
Selenium	2013-09	mg/L	<0.00500	<0.00500	<0.00500					<0.00500						0.00483	<0.00500	
Selenium	2013-11	mg/L			0.00660													
Selenium	2014-03	mg/L	<0.00500		<0.00500					<0.00500						0.00878	<0.00500	
Selenium	2014-06	mg/L		<0.00500	0.00699													
Selenium	2014-09	mg/L	<0.005	<0.005	<0.005					<0.005						0.00424	<0.005	
Selenium	2014-12	mg/L																
Selenium	2015-04	mg/L	<0.005	<0.005	<0.005					<0.005						0.00397	<0.00500	
Selenium	2015-10	mg/L	<0.005	<0.005	<0.005					<0.005						0.00885	<0.005	
Selenium	2016-04	mg/L	0.000714 J	<0.005	<0.005					<0.005						0.00345 J	0.00132 J	
Selenium	2016-10	mg/L	<0.005	<0.005	<0.005					<0.005						0.00228 J	0.000889 J	
Selenium	2017-03	mg/L	<0.005	<0.005	<0.005					<0.005						0.00243 J	0.00111 J	
Selenium	2017-10	mg/L	<0.005	<0.005	<0.005					<0.005						0.00907	<0.005	
Selenium	2017-12	mg/L			<0.005													
Selenium	2018-04	mg/L	<0.005	0.00116 J	<0.005					<0.005						0.00799	0.00193 J	
Selenium	2018-07	mg/L								<0.005								
Selenium	2018-10	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					0.00263 J	0.00116 J	
Selenium	2019-01	mg/L								<0.005								
Selenium	2019-03	mg/L	0.00126 J	<0.005	<0.005					<0.005	<0.005					0.00265 J	0.00147 J	
Selenium	2019-05	mg/L		<0.0025						<0.0025								
Selenium	2019-10	mg/L	0.00115 J	<0.005	<0.005					<0.005	<0.005					0.0019 J	<0.005	
Selenium	2020-03	mg/L	0.00197 J	<0.005	<0.005					0.00149 J	<0.005					0.00383 J	0.00199 J	
Selenium	2020-09	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					0.00278 J	0.0011 J	
Selenium	2020-11	mg/L																
Selenium	2020-12	mg/L																
Selenium	2021-03	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	0.00122 J	<0.005					0.00271 J	0.00125 J	
Selenium	2021-05	mg/L	<0.005															
Selenium	2021-08	mg/L						<0.005	<0.005									
Selenium	2021-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.00291 J	<0.005	<0.005							
Selenium	2021-12	mg/L	<0.005															
Selenium	2022-02	mg/L						<0.005	<0.005									
Selenium	2022-04	mg/L	<0.005	<0.005	<0.005			<0.005	0.00112 J	0.000965 J	<0.005							
Selenium	2022-07	mg/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Selenium	2022-10	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
Selenium	2023-04	mg/L	<b>0.00298 J</b>	<0.005		<b>0.00212 J</b>	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00154 J</b>	<0.005			<0.005	<0.005	<0.005
Selenium	2023-05	mg/L			<0.005													
Selenium	2023-10	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.00229 J</b>	<0.005	<0.005	<0.005	<0.005				<0.005	<b>0.00219 J</b>	<0.005
Selenium	2024-04	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.00349 J</b>	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Selenium	2024-05	mg/L																
Selenium	2024-09	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
Silver	2008-01	mg/L					<0.02	<0.02	<0.0200	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Silver	2008-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Silver	2008-08	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Silver	2008-09	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Silver	2008-10	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Silver	2009-03	mg/L					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
Silver	2009-06	mg/L					<0.0200	<0.02	<0.02	<0.0200	<0.02			<0.0200				
Silver	2009-09	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Silver	2009-12	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200				
Silver	2010-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			
Silver	2010-06	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Silver	2010-08	mg/L										<0.0200	<0.0200			<0.0200	<0.0200	<0.0200
Silver	2010-09	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200
Silver	2010-12	mg/L										<0.0200				<0.0200	<0.0200	<0.0200
Silver	2011-03	mg/L		<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2011-06	mg/L		<0.0200									<0.0200		<0.0200	<0.0200	<0.0200	<0.0200
Silver	2011-07	mg/L	<0.0200															
Silver	2011-08	mg/L		<0.0200														
Silver	2011-09	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2011-12	mg/L	<0.0200	<0.0200											<0.0200	<0.0200	<0.0200	<0.0200
Silver	2012-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2012-04	mg/L																
Silver	2012-06	mg/L																
Silver	2012-10	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2013-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2013-06	mg/L																
Silver	2013-09	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Silver	2013-11	mg/L																
Silver	2014-03	mg/L	<b>0.00330</b>	<b>0.00350</b>			<0.0200	<0.0200	<b>0.00274</b>	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<b>0.00269</b>
Silver	2014-06	mg/L																
Silver	2014-09	mg/L	<0.001	<0.001			<0.00100	<0.00100	<0.00100	<0.00100	<0.001	<0.001	<0.001	<0.00100	<0.00100	<0.00100	<0.00100	<0.001
Silver	2014-12	mg/L																<0.00100
Silver	2015-04	mg/L	< 0.00100	< 0.001			< 0.001	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.00100	< 0.00100			< 0.00100	< 0.001	< 0.001
Silver	2015-10	mg/L	<b>0.000222 J</b>	<0.02			<0.02	<b>0.000149 J</b>	<0.02	<0.02	<0.02	<b>0.000055 J</b>				<0.02	<0.02	<0.02
Silver	2016-04	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
Silver	2016-10	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
Silver	2017-03	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
Silver	2017-10	mg/L	<0.001	<b>0.000144 J</b>			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
Silver	2017-12	mg/L					<0.001					<0.001						<0.001
Silver	2018-04	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
Silver	2018-07	mg/L											<0.001					
Silver	2018-10	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
Silver	2019-01	mg/L																
Silver	2019-03	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
Silver	2019-05	mg/L																
Silver	2019-10	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
Silver	2020-03	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
Silver	2020-09	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<b>0.000944 J</b>	<0.001	<0.001	
Silver	2020-11	mg/L	<0.001															
Silver	2020-12	mg/L	<0.001															
Silver	2021-03	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Selenium	2022-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.00114 J	<0.005	<0.005							
Selenium	2023-04	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Selenium	2023-05	mg/L																
Selenium	2023-10	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Selenium	2024-04	mg/L	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005							
Selenium	2024-05	mg/L						<0.005				0.0102	<0.005	<0.005	<0.005			0.00478 J
Selenium	2024-09	mg/L	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00412 J	< 0.005	0.00323 J
Silver	2008-01	mg/L																
Silver	2008-03	mg/L																
Silver	2008-08	mg/L																
Silver	2008-09	mg/L																
Silver	2008-10	mg/L																
Silver	2009-03	mg/L																
Silver	2009-06	mg/L																
Silver	2009-09	mg/L																
Silver	2009-12	mg/L																
Silver	2010-03	mg/L																
Silver	2010-06	mg/L	<0.0200	<0.0200														
Silver	2010-08	mg/L	<0.0200	<0.0200														
Silver	2010-09	mg/L	<0.0200	<0.0200														
Silver	2010-12	mg/L	<0.0200	<0.0200														
Silver	2011-03	mg/L	<0.0200	<0.0200														
Silver	2011-06	mg/L																
Silver	2011-07	mg/L																
Silver	2011-08	mg/L																
Silver	2011-09	mg/L	<0.0200	<0.0200														
Silver	2011-12	mg/L																
Silver	2012-03	mg/L	<0.0200	<0.0200														
Silver	2012-04	mg/L									<0.0600	<0.0200		<0.0200		<0.0200	<0.0200	
Silver	2012-06	mg/L									<0.0400	<0.0200		<0.0200		<0.0200	<0.0200	
Silver	2012-10	mg/L									<0.0200			<0.0200		<0.0200	<0.0200	
Silver	2013-03	mg/L	<0.0200								<0.0200					<0.0200	<0.0200	
Silver	2013-06	mg/L			<0.0200													
Silver	2013-09	mg/L	<0.0200	<0.0200	<0.0200						<0.0200					<0.0200	<0.0200	
Silver	2013-11	mg/L			<0.0200													
Silver	2014-03	mg/L	<0.0200		<0.0200						<0.0200					<0.0200	<0.0200	
Silver	2014-06	mg/L		<0.0200	<0.0200													
Silver	2014-09	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Silver	2014-12	mg/L																
Silver	2015-04	mg/L	< 0.00100	< 0.00100	< 0.00100						< 0.001					< 0.00100	< 0.00100	
Silver	2015-10	mg/L	<0.02	<0.02	<0.02						<0.02					<0.02	<0.02	
Silver	2016-04	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Silver	2016-10	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Silver	2017-03	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Silver	2017-10	mg/L	<0.001	<0.001	0.000177 J						<0.001					<0.001	<0.001	
Silver	2017-12	mg/L			<0.001													
Silver	2018-04	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Silver	2018-07	mg/L									<0.001							
Silver	2018-10	mg/L	<0.001	<0.001	<0.001						<0.001	<0.001				<0.001	<0.001	
Silver	2019-01	mg/L									<0.001							
Silver	2019-03	mg/L	<0.001	<0.001	<0.001						<0.001	<0.001				<0.001	<0.001	
Silver	2019-05	mg/L		<0.0005							<0.0005							
Silver	2019-10	mg/L	<0.001	<0.001	<0.001						<0.001	<0.001				<0.001	<0.001	
Silver	2020-03	mg/L	<0.001	<0.001	<0.001						<0.001	<0.001				<0.001	<0.001	
Silver	2020-09	mg/L	<0.001	<0.001	<0.001						<0.001	<0.001				<0.001	<0.001	
Silver	2020-11	mg/L																
Silver	2020-12	mg/L																
Silver	2021-03	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001					<0.001	<0.001	

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Silver	2021-05	mg/L																
Silver	2021-08	mg/L																
Silver	2021-10	mg/L	<0.001	0.000451 J	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Silver	2021-12	mg/L																
Silver	2022-02	mg/L	<0.001		<0.001	<0.001												
Silver	2022-04	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			0.00055 J	<0.001	<0.001
Silver	2022-07	mg/L			<0.001	<0.001												
Silver	2022-10	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
Silver	2023-04	mg/L	0.00141 e	<0.001		0.00139 e	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Silver	2023-05	mg/L			<0.001													
Silver	2023-06	mg/L	<0.001			<0.001												
Silver	2023-10	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.00126 e	<0.001	<0.001	<0.001	<0.001				<0.001	0.00116 e	<0.001
Silver	2024-04	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
Silver	2024-05	mg/L																
Silver	2024-09	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
Styrene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Styrene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Styrene	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Styrene	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Styrene	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Styrene	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Styrene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Styrene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Styrene	2009-12	ug/L					<5.00	<5.00	<5.00	<2.00	<2.00			<2.00				
Styrene	2010-03	ug/L					<2.00	<2.00	<5.00	<5.00	<2.00	<2.00	<2.00	<5.00	<2.00			
Styrene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Styrene	2010-08	ug/L										<4.00	<4.00			<4.00	<4.00	<4.00
Styrene	2010-09	ug/L					<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Styrene	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Styrene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
Styrene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Styrene	2011-07	ug/L	<1.00															
Styrene	2011-08	ug/L		<1.00														
Styrene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2011-12	ug/L	<1.00	<1.00												<1.00	<1.00	<1.00
Styrene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2012-06	ug/L																
Styrene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2013-06	ug/L																
Styrene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2013-11	ug/L																
Styrene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	2014-06	ug/L																
Styrene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Styrene	2014-12	ug/L															<1.00	
Styrene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	< 1	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
Styrene	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Styrene	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2017-12	ug/L					<1					<1					<1	<1
Styrene	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
Styrene	2018-07	ug/L											<1					
Styrene	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Styrene	2019-01	ug/L																

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Silver	2021-05	mg/L	<0.001															
Silver	2021-08	mg/L						<0.001	<0.001									
Silver	2021-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2021-12	mg/L	<0.001															
Silver	2022-02	mg/L						<0.001	<0.001									
Silver	2022-04	mg/L	<0.007	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2022-07	mg/L																
Silver	2022-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2023-04	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2023-05	mg/L																
Silver	2023-06	mg/L																
Silver	2023-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2024-04	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Silver	2024-05	mg/L						<0.001				<0.001	<0.001	<0.001	<0.001			<0.001
Silver	2024-09	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
Styrene	2008-01	ug/L																
Styrene	2008-03	ug/L																
Styrene	2008-08	ug/L																
Styrene	2008-09	ug/L																
Styrene	2008-10	ug/L																
Styrene	2009-03	ug/L																
Styrene	2009-06	ug/L																
Styrene	2009-09	ug/L																
Styrene	2009-12	ug/L																
Styrene	2010-03	ug/L																
Styrene	2010-06	ug/L	<1.00	<1.00														
Styrene	2010-08	ug/L	<4.00	<4.00														
Styrene	2010-09	ug/L	<4.00	<4.00														
Styrene	2010-12	ug/L	<1.00	<1.00														
Styrene	2011-03	ug/L	<1.00	<1.00														
Styrene	2011-04	ug/L																
Styrene	2011-06	ug/L																
Styrene	2011-07	ug/L																
Styrene	2011-08	ug/L																
Styrene	2011-09	ug/L	<1.00	<1.00														
Styrene	2011-12	ug/L																
Styrene	2012-03	ug/L	<1.00	<1.00														
Styrene	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
Styrene	2012-10	ug/L																
Styrene	2013-03	ug/L	<1.00								<1.00							
Styrene	2013-06	ug/L			<1.00													
Styrene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Styrene	2013-11	ug/L			<1.00													
Styrene	2014-03	ug/L	<1.00		<1.00						<1.00							
Styrene	2014-06	ug/L		<1.00	<1.00													
Styrene	2014-09	ug/L	<1	<1	<1						<1							
Styrene	2014-12	ug/L																
Styrene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Styrene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2017-12	ug/L			<1													
Styrene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Styrene	2018-07	ug/L								<1								
Styrene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Styrene	2019-01	ug/L								<1								

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Styrene	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2019-05	ug/L																
Styrene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2021-05	ug/L																
Styrene	2021-08	ug/L																
Styrene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2021-12	ug/L																
Styrene	2022-02	ug/L	<1		<1	<1												
Styrene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2022-07	ug/L			<1	<1												
Styrene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Styrene	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2023-05	ug/L			<1													
Styrene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Styrene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Sulfide	2009-03	mg/L						<5	<5	<5								
Sulfide	2009-06	mg/L					<1.0	<1	<1	2.2	<1			<1.0				
Sulfide	2009-09	mg/L					<1.0	<1.0	<1.0	<1.0	<1.0			<1.0				
Sulfide	2009-12	mg/L					<1.0	<1.0	<1.0	<1.0	<1.0			<1.0				
Sulfide	2010-03	mg/L					<1.0			6.2	<1.0			<1.0				
Sulfide	2010-06	mg/L										<1.0						
Sulfide	2010-08	mg/L										<1.0						
Sulfide	2010-09	mg/L					<1.0	<1.0	<1.0	4.3	<1.0	<1.0	<1.0	<1.0				
Sulfide	2010-12	mg/L										<1.0						
Sulfide	2011-03	mg/L								11		<1.0			0.48			
Sulfide	2011-06	mg/L										<1.0			0.46	<1.0	<1.0	
Sulfide	2011-09	mg/L					0.50	<1.0	<1.0	4.6	<1.0	<1.0		1.2	0.78	2.5	<1.0	
Sulfide	2011-12	mg/L													<1.0	<1.0	<1.0	
Sulfide	2012-03	mg/L					<1.0			<1.0				<1.0	<1.0	<1.0	<1.0	
Sulfide	2012-10	mg/L					<1.0			2.6				<1.0	<1.0	<1.0	<1.0	
Sulfide	2013-03	mg/L					<1.00			<1.00				<1.00	<1.00	<1.00	<1.00	
Sulfide	2013-09	mg/L					<1.00			6.91				2.51		<1.00		
Sulfide	2013-12	mg/L								2.36								
Sulfide	2014-03	mg/L								13.3				<1.00				
Sulfide	2014-06	mg/L								5.21								
Sulfide	2014-09	mg/L								4.50				<1.00				
Sulfide	2014-12	mg/L															<1.00	
Sulfide	2015-04	mg/L								1.32								
Sulfide	2015-10	mg/L								3.05								
Sulfide	2016-04	mg/L								1.95								
Sulfide	2016-10	mg/L							<1	<1	<1				<1	<1		
Sulfide	2017-03	mg/L								<1						<1		
Sulfide	2017-10	mg/L						0.294 J		5.92						3.51		
Sulfide	2017-12	mg/L					<1					<1						<1
Sulfide	2018-04	mg/L								2						<1		
Sulfide	2018-07	mg/L											<1					
Sulfide	2018-10	mg/L								2.05			<1			<1		
Sulfide	2019-03	mg/L								2.86						<1		
Sulfide	2019-05	mg/L																
Sulfide	2019-10	mg/L								3.55	0.00501 J					<1		
Sulfide	2020-03	mg/L								2.46								
Sulfide	2020-09	mg/L																
Sulfide	2020-12	mg/L								16.4						<10		
Sulfide	2021-03	mg/L								<10						<10		

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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Styrene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Styrene	2019-05	ug/L		<1						<1								
Styrene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Styrene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Styrene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Styrene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Styrene	2021-05	ug/L	<1															
Styrene	2021-08	ug/L						<1	<1									
Styrene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2021-12	ug/L	<1															
Styrene	2022-02	ug/L						<1	<1									
Styrene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2022-07	ug/L																
Styrene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2023-05	ug/L																
Styrene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Styrene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfide	2009-03	mg/L																
Sulfide	2009-06	mg/L																
Sulfide	2009-09	mg/L																
Sulfide	2009-12	mg/L																
Sulfide	2010-03	mg/L																
Sulfide	2010-06	mg/L																
Sulfide	2010-08	mg/L																
Sulfide	2010-09	mg/L																
Sulfide	2010-12	mg/L																
Sulfide	2011-03	mg/L																
Sulfide	2011-06	mg/L																
Sulfide	2011-09	mg/L																
Sulfide	2011-12	mg/L																
Sulfide	2012-03	mg/L																
Sulfide	2012-10	mg/L																
Sulfide	2013-03	mg/L									<del>6.85</del>							
Sulfide	2013-09	mg/L									<del>5.11</del>					<1.00	<1.00	
Sulfide	2013-12	mg/L																
Sulfide	2014-03	mg/L									<del>1.25</del>					<1.00	<1.00	
Sulfide	2014-06	mg/L																
Sulfide	2014-09	mg/L									<1					<1	<1	
Sulfide	2014-12	mg/L																
Sulfide	2015-04	mg/L									<1							
Sulfide	2015-10	mg/L									<1					<1	<1	
Sulfide	2016-04	mg/L									<1					<1	<1	
Sulfide	2016-10	mg/L									<1					<1	<1	
Sulfide	2017-03	mg/L									<1					<1	<1	
Sulfide	2017-10	mg/L									<1					<1	<1	
Sulfide	2017-12	mg/L			<1													
Sulfide	2018-04	mg/L																
Sulfide	2018-07	mg/L								<1								
Sulfide	2018-10	mg/L								<1	<1					<1	<1	
Sulfide	2019-03	mg/L								<1	<1					<b>4.42</b>	<1	
Sulfide	2019-05	mg/L		<1														
Sulfide	2019-10	mg/L								<1	<1					<1	<1	
Sulfide	2020-03	mg/L																
Sulfide	2020-03	mg/L								<1	<b>0.482 J</b>					<1	<1	
Sulfide	2020-09	mg/L								<10	<10 e					<10	<10	
Sulfide	2021-03	mg/L								<10	<b>23.2 e</b>					<10	<10	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Sulfide	2021-10	mg/L							<1	<1	<1					<1	<0.2	
Sulfide	2021-12	mg/L																
Sulfide	2022-04	mg/L																
Sulfide	2022-10	mg/L					<1	<1				<1						<1
Sulfide	2023-04	mg/L																
Sulfide	2023-10	mg/L																
Sulfide	2024-04	mg/L											<1					
Sulfide	2024-09	mg/L																
Technical Chlordane	2009-03	ug/L						<2	<2	<2								
Technical Chlordane	2009-06	ug/L					<2.00	<2	<2	<2.00	<2			<2.00				
Technical Chlordane	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Technical Chlordane	2009-12	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Technical Chlordane	2010-03	ug/L					<2.00				<2.00			<2.00				
Technical Chlordane	2010-06	ug/L										<2.00						
Technical Chlordane	2010-08	ug/L										<2.00	<2.00					
Technical Chlordane	2010-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
Technical Chlordane	2010-12	ug/L										<2.00						
Technical Chlordane	2011-03	ug/L						<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Technical Chlordane	2011-06	ug/L										<2.00		<2.00	<2.45	<2.00		
Technical Chlordane	2011-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00		<2.00	<2.00	<2.00		
Technical Chlordane	2011-12	ug/L												<2.00	<2.00	<2.00		
Technical Chlordane	2012-03	ug/L													<2.00	<2.00		
Technical Chlordane	2014-12	ug/L														<2.20		
Technical Chlordane	2016-10	ug/L						<2.06	<2	<2.15					<2.06	<2.06		
Technical Chlordane	2017-10	ug/L						<2.08										
Technical Chlordane	2017-12	ug/L					<2.08				<2.08							<2.08
Technical Chlordane	2018-07	ug/L										<2.08						
Technical Chlordane	2018-10	ug/L										<2.06						
Technical Chlordane	2019-05	ug/L																
Technical Chlordane	2021-10	ug/L						<2.11	<2.11	<2.11					<2.11	<2.11		
Technical Chlordane	2021-12	ug/L																
Technical Chlordane	2022-10	ug/L					<1.69	<1.75				<1.69						<1.82
Technical Chlordane	2023-04	ug/L								<2								
Technical Chlordane	2024-04	ug/L										<2						
Tetrachloroethene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Tetrachloroethene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Tetrachloroethene	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Tetrachloroethene	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Tetrachloroethene	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Tetrachloroethene	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
Tetrachloroethene	2009-06	ug/L					5.20	<1	<1	<1.00	<1			<1.00				
Tetrachloroethene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Tetrachloroethene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Tetrachloroethene	2010-03	ug/L					<2.00	<2.00	<5.00	<5.00	<2.00	<2.00	<2.00	<5.00	<2.00			
Tetrachloroethene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Tetrachloroethene	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Tetrachloroethene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2010-12	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Tetrachloroethene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2011-04	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2011-06	ug/L		<1.00								<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2011-07	ug/L	<1.00															
Tetrachloroethene	2011-08	ug/L		<1.00														
Tetrachloroethene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2011-12	ug/L	<1.00	<1.00										<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2012-06	ug/L																
Tetrachloroethene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Sulfide	2021-10	mg/L								<1	<0.2							
Sulfide	2021-12	mg/L	<1															
Sulfide	2022-04	mg/L								<1	<1							
Sulfide	2022-10	mg/L			<1					<1	<1							
Sulfide	2023-04	mg/L								<1	<1							
Sulfide	2023-10	mg/L								<1	<1							
Sulfide	2024-04	mg/L		<1						<1	<1							
Sulfide	2024-09	mg/L								<1	<1							
Technical Chlordane	2009-03	ug/L																
Technical Chlordane	2009-06	ug/L																
Technical Chlordane	2009-09	ug/L																
Technical Chlordane	2009-12	ug/L																
Technical Chlordane	2010-03	ug/L																
Technical Chlordane	2010-06	ug/L																
Technical Chlordane	2010-08	ug/L																
Technical Chlordane	2010-09	ug/L																
Technical Chlordane	2010-12	ug/L																
Technical Chlordane	2011-03	ug/L																
Technical Chlordane	2011-06	ug/L																
Technical Chlordane	2011-09	ug/L																
Technical Chlordane	2011-12	ug/L																
Technical Chlordane	2012-03	ug/L																
Technical Chlordane	2014-12	ug/L																
Technical Chlordane	2016-10	ug/L									<2.08					<2.08	<2.08	
Technical Chlordane	2017-10	ug/L																
Technical Chlordane	2017-12	ug/L			<2.08													
Technical Chlordane	2018-07	ug/L								<2.02								
Technical Chlordane	2018-10	ug/L								<2.06								
Technical Chlordane	2019-05	ug/L		<2.04														
Technical Chlordane	2021-10	ug/L																
Technical Chlordane	2021-12	ug/L	<2.11															
Technical Chlordane	2022-10	ug/L			<1.69													
Technical Chlordane	2023-04	ug/L	<2															
Technical Chlordane	2024-04	ug/L		<2														
Tetrachloroethene	2008-01	ug/L																
Tetrachloroethene	2008-03	ug/L																
Tetrachloroethene	2008-08	ug/L																
Tetrachloroethene	2008-09	ug/L																
Tetrachloroethene	2008-10	ug/L																
Tetrachloroethene	2009-03	ug/L																
Tetrachloroethene	2009-06	ug/L																
Tetrachloroethene	2009-09	ug/L																
Tetrachloroethene	2009-12	ug/L																
Tetrachloroethene	2010-03	ug/L																
Tetrachloroethene	2010-06	ug/L	<1.00	<1.00														
Tetrachloroethene	2010-08	ug/L	<1.00	<1.00														
Tetrachloroethene	2010-09	ug/L	<1.00	<1.00														
Tetrachloroethene	2010-12	ug/L	<1.00	<1.00														
Tetrachloroethene	2011-03	ug/L	<1.00	<1.00														
Tetrachloroethene	2011-04	ug/L																
Tetrachloroethene	2011-06	ug/L																
Tetrachloroethene	2011-07	ug/L																
Tetrachloroethene	2011-08	ug/L																
Tetrachloroethene	2011-09	ug/L	<1.00	<1.00														
Tetrachloroethene	2011-12	ug/L																
Tetrachloroethene	2012-03	ug/L	<1.00	<1.00														
Tetrachloroethene	2012-06	ug/L								<1.00	<1.00		<1.00		<1.00	<1.00		
Tetrachloroethene	2012-10	ug/L																



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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Tetrachloroethene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2013-06	ug/L																
Tetrachloroethene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2013-11	ug/L																
Tetrachloroethene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	2014-06	ug/L																
Tetrachloroethene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Tetrachloroethene	2014-12	ug/L																<1.00
Tetrachloroethene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	< 1	< 1	< 1.00				< 1.00	< 1	< 1
Tetrachloroethene	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2017-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2017-12	ug/L					<1					<1						<1
Tetrachloroethene	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2018-07	ug/L										<1						
Tetrachloroethene	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2019-01	ug/L																
Tetrachloroethene	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2019-05	ug/L																
Tetrachloroethene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<10	<1	<1
Tetrachloroethene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2021-05	ug/L																
Tetrachloroethene	2021-08	ug/L																
Tetrachloroethene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2021-12	ug/L																
Tetrachloroethene	2022-02	ug/L	<1		<1	<1												
Tetrachloroethene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2022-07	ug/L			<1	<1												
Tetrachloroethene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2023-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2023-05	ug/L			<1													
Tetrachloroethene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Tetrachloroethene	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1				< 1	< 1	< 1
Thallium	2012-10	mg/L	<0.00200	<0.00200			<0.00200	<0.00200	<0.00200	<0.00200	<0.00200			<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Thallium	2013-03	mg/L	<0.00200	<0.00200			<0.00200	<0.00200	<0.00200	<0.00200	<0.00200			<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Thallium	2013-06	mg/L																
Thallium	2013-09	mg/L	<0.00200	<0.00200			<0.00200	<b>0.00105</b>	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Thallium	2013-11	mg/L																
Thallium	2014-03	mg/L	<0.00200	<0.00200			<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Thallium	2014-06	mg/L																
Thallium	2014-09	mg/L	<0.001	<0.001			<0.00100	<b>0.0000730</b>	<b>0.0000410</b>	<0.00100	<0.001	<0.001	<0.001	<0.00100	<0.00100	<b>0.0000370</b>	<0.00100	<b>0.000037</b>
Thallium	2014-12	mg/L																<0.00100
Thallium	2015-04	mg/L	< 0.00100	< 0.001			< 0.002	<b>0.0000800</b>	< 0.001	< 0.001	< 0.001	< 0.00100	<0.001			< 0.00100	< 0.001	< 0.001
Thallium	2015-10	mg/L	<b>0.000048 J</b>	<0.002			<0.002	<b>0.000152 J</b>	<0.002	<0.002	<0.002	<b>0.000051 J</b>				<b>0.000056 J</b>	<0.002	<0.002
Thallium	2016-04	mg/L	<0.001	<0.001			<0.001	<b>0.000051 J</b>	<0.001	<0.001	<0.001	<0.001	<0.001				<b>0.000027 J</b>	<0.001
Thallium	2016-10	mg/L	<0.001	<0.001			<0.001	<b>0.000084 J</b>	<0.001	<0.001	<0.001	<0.001	<0.001				<b>0.000034 J</b>	<0.001
Thallium	2017-03	mg/L	<0.001	<0.001			<0.001	<0.001	<b>0.000071 J</b>	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001
Thallium	2017-10	mg/L	<0.001	<0.001			<0.001	<b>0.000093 J</b>	<0.001	<0.001	<0.001	<b>0.00007 J</b>					<0.001	<0.001
Thallium	2017-12	mg/L					<0.001					<0.001						<0.001
Thallium	2018-04	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
Thallium	2018-07	mg/L																<0.001
Thallium	2018-10	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
Thallium	2019-01	mg/L																

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Tetrachloroethene	2013-03	ug/L	<1.00								<1.00							
Tetrachloroethene	2013-06	ug/L			<1.00													
Tetrachloroethene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Tetrachloroethene	2013-11	ug/L			<1.00													
Tetrachloroethene	2014-03	ug/L	<1.00		<1.00						<1.00							
Tetrachloroethene	2014-06	ug/L		<1.00	<1.00													
Tetrachloroethene	2014-09	ug/L	<1	<1	<1						<1							
Tetrachloroethene	2014-12	ug/L																
Tetrachloroethene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Tetrachloroethene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2017-12	ug/L			<1													
Tetrachloroethene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Tetrachloroethene	2018-07	ug/L								<1								
Tetrachloroethene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Tetrachloroethene	2019-01	ug/L								<1								
Tetrachloroethene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Tetrachloroethene	2019-05	ug/L		<1						<1								
Tetrachloroethene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Tetrachloroethene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Tetrachloroethene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Tetrachloroethene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Tetrachloroethene	2021-05	ug/L	<1															
Tetrachloroethene	2021-08	ug/L						<1	<1									
Tetrachloroethene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2021-12	ug/L	<1															
Tetrachloroethene	2022-02	ug/L						<1	<1									
Tetrachloroethene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2022-07	ug/L																
Tetrachloroethene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2023-05	ug/L																
Tetrachloroethene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Tetrachloroethene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium	2012-10	mg/L									<0.00200			<0.00200		<0.00200	<0.00400	
Thallium	2013-03	mg/L	<0.00200								<0.00200					<0.00200	<0.00200	
Thallium	2013-06	mg/L			<0.00200													
Thallium	2013-09	mg/L	<0.00200	<0.00200	<0.00200						<0.00200					<0.00200	<0.00200	
Thallium	2013-11	mg/L			<0.00200													
Thallium	2014-03	mg/L	<0.00200		<0.00200						<0.00200					<0.00200	<0.00200	
Thallium	2014-06	mg/L		<0.00200	<del>0.00498</del>													
Thallium	2014-09	mg/L	<0.001	<0.001	<del>0.000044</del>						<del>0.000058</del>					<0.001	<0.001	
Thallium	2014-12	mg/L																
Thallium	2015-04	mg/L	< 0.00100	< 0.00100	< 0.00100						<b>0.000082</b>					< 0.00100	< 0.00100	
Thallium	2015-10	mg/L	<0.002	<b>0.000045 J</b>	<0.002						<0.002					<0.002	<0.002	
Thallium	2016-04	mg/L	<0.001	<0.001	<0.001						<b>0.000119 J</b>					<0.001	<0.001	
Thallium	2016-10	mg/L	<0.001	<0.001	<0.001						<b>0.000059 J</b>					<0.001	<0.001	
Thallium	2017-03	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Thallium	2017-10	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Thallium	2017-12	mg/L			<0.001													
Thallium	2018-04	mg/L	<0.001	<0.001	<0.001						<0.001					<0.001	<0.001	
Thallium	2018-07	mg/L								<0.001						<0.001	<0.001	
Thallium	2018-10	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Thallium	2019-01	mg/L								<0.001								

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Table 19  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Thallium	2019-03	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
Thallium	2019-05	mg/L																
Thallium	2019-10	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
Thallium	2020-03	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
Thallium	2020-09	mg/L	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<1	<0.001	<0.001
Thallium	2020-11	mg/L	<0.001															
Thallium	2020-12	mg/L	<0.001															
Thallium	2021-03	mg/L	<b>0.000817 J</b>	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<b>0.00102</b>	<0.001	<0.001
Thallium	2021-05	mg/L																
Thallium	2021-08	mg/L																
Thallium	2021-10	mg/L	<0.001	<0.001	<0.001		<0.001	<b>0.00033 J</b>	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Thallium	2021-12	mg/L																
Thallium	2022-02	mg/L	<0.001		<0.001	<0.001												
Thallium	2022-04	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
Thallium	2022-07	mg/L			<0.001	<0.001												
Thallium	2022-10	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
Thallium	2023-04	mg/L	<b>0.00198 e</b>	<0.001		<b>0.00249 e</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Thallium	2023-05	mg/L			<0.001													
Thallium	2023-06	mg/L	<0.001		<0.001													
Thallium	2023-10	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<b>0.0129 e</b>	<0.001	<0.001	<0.001	<0.001	<0.001			<b>0.00079 J</b>	<b>0.0129 e</b>	<0.001
Thallium	2024-04	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<b>&lt;0.001 e</b>			<0.001	<0.001	<0.001
Thallium	2024-05	mg/L																
Thallium	2024-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	<b>0.000583 J</b>	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001
Thionazin	2009-03	ug/L						<10	<10	<10								
Thionazin	2009-06	ug/L					<10.0	<10	<10	<10.0	<10			<10.0				
Thionazin	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Thionazin	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
Thionazin	2010-03	ug/L					<10.0				<10.0			<10.0				
Thionazin	2010-06	ug/L									<10.0							
Thionazin	2010-08	ug/L									<10.0	<10.0						
Thionazin	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0				
Thionazin	2010-12	ug/L									<10.0							
Thionazin	2011-03	ug/L										<10.0			<10.0			
Thionazin	2011-06	ug/L										<10.0			<10.0	<10.0	<10.0	
Thionazin	2011-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0	<10.0	
Thionazin	2011-12	ug/L												<10.0	<10.0	<10.0	<10.0	
Thionazin	2012-03	ug/L													<10.0	<10.0	<10.0	
Thionazin	2014-12	ug/L															<10.2	
Thionazin	2016-10	ug/L							<10	<10	<10.9					<11.2	<11.1	
Thionazin	2017-10	ug/L						<10.5										
Thionazin	2017-12	ug/L					<10.6					<10.4						<10.4
Thionazin	2018-07	ug/L											<10.4					
Thionazin	2018-10	ug/L											<10.4					
Thionazin	2019-05	ug/L																
Thionazin	2021-10	ug/L						<10.5	<10.5	<10.2						<10.4	<10.5	
Thionazin	2021-12	ug/L																
Thionazin	2022-10	ug/L					<8.47	<8.47				<8.47						<8.47
Thionazin	2024-04	ug/L											<10.6					
Tin	2009-03	mg/L						<0.1	<0.1	<0.1								
Tin	2009-06	mg/L					<0.100	<0.1	<0.1	<0.100	<0.1			<0.100				
Tin	2009-09	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100			<0.100				
Tin	2009-12	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100			<0.100				
Tin	2010-03	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100			<0.100				
Tin	2010-06	mg/L										<0.100						
Tin	2010-08	mg/L										<0.100	<0.100					
Tin	2010-09	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100				
Tin	2010-12	mg/L										<0.100						
Tin	2011-03	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100			

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**Table 19**  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Thallium	2019-03	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Thallium	2019-05	mg/L		<0.002						<0.002 e								
Thallium	2019-10	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Thallium	2020-03	mg/L	<0.001	<0.001	<0.001					<0.001	<0.001					<0.001	<0.001	
Thallium	2020-09	mg/L	<0.001	<0.001	<b>0.000404 J</b>					<0.001	<0.001					<0.001	<0.001	
Thallium	2020-11	mg/L																
Thallium	2020-12	mg/L																
Thallium	2021-03	mg/L	<0.001	<0.001	<b>0.00115</b>			<0.001	<0.001	<0.001	<b>0.000968 Je</b>					<0.001	<0.001	
Thallium	2021-05	mg/L	<0.001															
Thallium	2021-08	mg/L						<0.001	<0.001									
Thallium	2021-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Thallium	2021-12	mg/L	<0.001															
Thallium	2022-02	mg/L						<0.001	<0.001									
Thallium	2022-04	mg/L	<0.007	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Thallium	2022-07	mg/L																
Thallium	2022-10	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Thallium	2023-04	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Thallium	2023-05	mg/L																
Thallium	2023-06	mg/L																
Thallium	2023-10	mg/L	<0.001	<b>0.000835 J</b>	<0.001			<0.001	<0.001	<0.001	<b>0.000899 J</b>							
Thallium	2024-04	mg/L	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001							
Thallium	2024-05	mg/L						<0.001				<0.001	<0.001	<0.001	<0.001			<0.001
Thallium	2024-09	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
Thionazin	2009-03	ug/L																
Thionazin	2009-06	ug/L																
Thionazin	2009-09	ug/L																
Thionazin	2009-12	ug/L																
Thionazin	2010-03	ug/L																
Thionazin	2010-06	ug/L																
Thionazin	2010-08	ug/L																
Thionazin	2010-09	ug/L																
Thionazin	2010-12	ug/L																
Thionazin	2011-03	ug/L																
Thionazin	2011-06	ug/L																
Thionazin	2011-09	ug/L																
Thionazin	2011-12	ug/L																
Thionazin	2012-03	ug/L																
Thionazin	2014-12	ug/L																
Thionazin	2016-10	ug/L									<10.4					<10.3	<10.2	
Thionazin	2017-10	ug/L																
Thionazin	2017-12	ug/L			<10.4													
Thionazin	2018-07	ug/L								<10.1								
Thionazin	2018-10	ug/L								<10.3								
Thionazin	2019-05	ug/L		<10.1														
Thionazin	2021-10	ug/L																
Thionazin	2021-12	ug/L	<10.5															
Thionazin	2022-10	ug/L			<8.77													
Thionazin	2024-04	ug/L		<10.2														
Tin	2009-03	mg/L																
Tin	2009-06	mg/L																
Tin	2009-09	mg/L																
Tin	2009-12	mg/L																
Tin	2010-03	mg/L																
Tin	2010-06	mg/L																
Tin	2010-08	mg/L																
Tin	2010-09	mg/L																
Tin	2010-12	mg/L																
Tin	2011-03	mg/L																

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Tin	2011-06	mg/L											<0.100		<0.100	<0.100	<0.100	
Tin	2011-09	mg/L					<0.100	<0.100	<0.100	<0.100	<0.100	<0.100		<0.100	<0.100	<0.100	<0.100	
Tin	2011-12	mg/L													<0.100	<0.100	<0.100	
Tin	2012-03	mg/L														<0.100	<0.100	
Tin	2013-03	mg/L																
Tin	2013-09	mg/L																
Tin	2014-03	mg/L																
Tin	2014-09	mg/L																
Tin	2014-12	mg/L																0.110
Tin	2015-04	mg/L																< 0.1
Tin	2015-04	mg/L																<0.1 e
Tin	2015-10	mg/L																<0.005
Tin	2016-04	mg/L																<0.005
Tin	2016-10	mg/L							<0.005	<0.005	<0.005					<0.005		<0.005
Tin	2017-03	mg/L																<0.005
Tin	2017-10	mg/L						<0.005										<0.005
Tin	2017-12	mg/L					<0.005					<5						<5
Tin	2018-04	mg/L																<0.005
Tin	2018-07	ug/L											<5					
Tin	2018-10	ug/L											<5					<5
Tin	2019-03	mg/L																<0.005
Tin	2019-05	ug/L																
Tin	2019-10	mg/L																<0.005
Tin	2021-10	ug/L							<5	<5	<5					<5	<5	
Tin	2021-12	mg/L																
Tin	2022-10	mg/L					<0.005	<0.005				<0.005						<0.005
Tin	2024-04	mg/L											<0.005					
Toluene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	
Toluene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
Toluene	2008-08	ug/L					<1	<1	<1	0.17	<1	<1	<1	<1	<1	<1	<1	
Toluene	2008-09	ug/L					<1	<1	<1	0.19	<1	<1	<1	0.14	<1	<1	<1	
Toluene	2008-10	ug/L					<1	<1	<1	0.26	<1	<1	<1	<1	<1	<1	<1	
Toluene	2009-03	ug/L					<1	<1	<1	0.34	<1	<1	<1	<1	<1	<1	<1	
Toluene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Toluene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
Toluene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
Toluene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
Toluene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Toluene	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Toluene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Toluene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2011-04	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00					<1.00	<1.00	<1.00
Toluene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Toluene	2011-07	ug/L	<1.00															
Toluene	2011-08	ug/L		<1.00														
Toluene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
Toluene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2012-06	ug/L																
Toluene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2013-06	ug/L																
Toluene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2013-11	ug/L																
Toluene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	0.231	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	2014-06	ug/L																
Toluene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	0.328	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgnd)	MW-201B (Bkgnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Tin	2011-06	mg/L																
Tin	2011-09	mg/L																
Tin	2011-12	mg/L																
Tin	2012-03	mg/L																
Tin	2013-03	mg/L														<0.100	<0.100	
Tin	2013-09	mg/L														<0.100	<0.100	
Tin	2014-03	mg/L														<0.100	<0.100	
Tin	2014-09	mg/L									0.0774					0.127	0.049	
Tin	2014-12	mg/L																
Tin	2015-04	mg/L								<0.100								
Tin	2015-04	mg/L														<0.00500	<0.00500	
Tin	2015-10	mg/L								<0.1						<0.1	<0.1	
Tin	2016-04	mg/L																
Tin	2016-10	mg/L								<0.005						<0.005	<0.005	
Tin	2017-03	mg/L																
Tin	2017-10	mg/L								<0.005						<5	<5	
Tin	2017-12	mg/L			<5													
Tin	2018-04	mg/L																
Tin	2018-07	ug/L							<5									
Tin	2018-10	ug/L							0.731 J									
Tin	2019-03	mg/L																
Tin	2019-05	ug/L		<0.005					<5									
Tin	2019-10	mg/L																
Tin	2021-10	ug/L																
Tin	2021-12	mg/L	<0.005															
Tin	2022-10	mg/L			<0.005													
Tin	2024-04	mg/L		<0.005														
Toluene	2008-01	ug/L																
Toluene	2008-03	ug/L																
Toluene	2008-08	ug/L																
Toluene	2008-09	ug/L																
Toluene	2008-10	ug/L																
Toluene	2009-03	ug/L																
Toluene	2009-06	ug/L																
Toluene	2009-09	ug/L																
Toluene	2009-12	ug/L																
Toluene	2010-03	ug/L																
Toluene	2010-06	ug/L	<1.00	<1.00														
Toluene	2010-08	ug/L	<1.00	<1.00														
Toluene	2010-09	ug/L	<1.00	<1.00														
Toluene	2010-12	ug/L	<1.00	<1.00														
Toluene	2011-03	ug/L	<1.00	<1.00														
Toluene	2011-04	ug/L																
Toluene	2011-06	ug/L																
Toluene	2011-07	ug/L																
Toluene	2011-08	ug/L																
Toluene	2011-09	ug/L	<1.00	<1.00														
Toluene	2011-12	ug/L																
Toluene	2012-03	ug/L	<1.00	<1.00														
Toluene	2012-06	ug/L								<1.00	<1.00		<1.00		<1.00	<1.00		
Toluene	2012-10	ug/L																
Toluene	2013-03	ug/L	<1.00							<1.00								
Toluene	2013-06	ug/L			<1.00													
Toluene	2013-09	ug/L	<1.00	<1.00	<1.00					<1.00								
Toluene	2013-11	ug/L			<1.00													
Toluene	2014-03	ug/L	<1.00		<1.00					<1.00								
Toluene	2014-06	ug/L		<1.00	<1.00													
Toluene	2014-09	ug/L	<1	<1	<1					<1								

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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)	(DwnGrad)
Toluene	2014-12	ug/L																<1.00
Toluene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	0.206	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
Toluene	2015-10	ug/L	< 1	< 1			< 1	< 1	< 1	<1.0	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2016-04	ug/L	< 1	< 1			< 1	0.196 J	< 1	0.2555 Je	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2016-10	ug/L	< 1	< 1			< 1	< 1	< 1	0.322 Je	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2017-03	ug/L	< 1	< 1			< 1	< 1	< 1	<1.0	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2017-10	ug/L	< 1	< 1			< 1	< 1	< 1	0.167 Je	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2017-12	ug/L					< 1	< 1			< 1	< 1	< 1					< 1
Toluene	2018-04	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	0.23 J	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2018-07	ug/L											< 1					
Toluene	2018-10	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2019-01	ug/L																
Toluene	2019-03	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2019-05	ug/L																
Toluene	2019-10	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2020-03	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2020-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			0.000294 J	< 1	< 1
Toluene	2021-03	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2021-05	ug/L																
Toluene	2021-08	ug/L																
Toluene	2021-10	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2021-12	ug/L																
Toluene	2022-02	ug/L	< 1	< 1	< 1	< 1												
Toluene	2022-04	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2022-07	ug/L			< 1	< 1												
Toluene	2022-10	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2023-04	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2023-05	ug/L			< 1													
Toluene	2023-10	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2024-04	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	0.445 J	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Toluene	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Total Suspended Solids	2014-09	mg/L	51	<2-14			11.0	6.33	34.7	112	24	1.5	<1.88	48.0	42.7	3.20	57.0	27
Total Suspended Solids	2014-12	mg/L																70.0
Total Suspended Solids	2015-04	mg/L	28.0	< 2.5			4.25	4.80	47	98.7	38	< 2.50	< 2.50	25.3	23.0	< 5.00	46	12.5
Total Suspended Solids	2015-10	mg/L	94.4	<1.2			14.8	10.1	60.6	68.4	33.1	1.88		48.5	30	11.4	44.1	6.87
Total Suspended Solids	2016-04	mg/L	13.1	1 J			1.63 J	3.13	0.75 J	85.3	34.6	23.8	0.625 J	28.8	30.6	1.63 J	52.1	4.75
Total Suspended Solids	2016-10	mg/L	104	<5			30.8	24	55	96	54.3	14.8	0.625 J	83.7	58	18	75	44.5
Total Suspended Solids	2017-03	mg/L	53	8.8			5.67	3.6	9.4	56	31.3	<1.88	<1.88			10.6	26.9	2.38
Total Suspended Solids	2017-06	mg/L	836	8.5			4.38	4.38				1.13 J	<1.88					2
Total Suspended Solids	2017-10	mg/L	733	6.38			10.9	16	7.62	49.5	25.9	<1.88				26.9	11.4	13
Total Suspended Solids	2017-12	mg/L					13.3					0.75 J						6.63
Total Suspended Solids	2018-04	mg/L	31.8	70.1	18.3		12.1	2.75	34	107	32.8	0.875 J	1.13 J	32	36	4.38	31.1	11.8
Total Suspended Solids	2018-07	mg/L											0.875 J					
Total Suspended Solids	2018-10	mg/L	<1.88	1.13 J			6.12	3.87	22.9	62.2	39.8	2.25	1.25 J	40.4	32	12.8	7.88	49.2
Total Suspended Solids	2019-01	mg/L																
Total Suspended Solids	2019-03	mg/L	13.1	12.1			14.9	4.38	19.4	70.2	71.3	<1.88	0.75 J	9.87	21	3.75	35.1	14.8
Total Suspended Solids	2019-05	mg/L																
Total Suspended Solids	2019-10	mg/L	55.6	<1.88			3.25	3.87	11.6	58.9	26	1.63 J	1.13 J	20.4	17.3	1.63 J	42.7	7.38
Total Suspended Solids	2020-03	mg/L	108	12.5			3 J	1.13 J	13	61.6	22.9	0.75 J	<1.88	5.25	16	<1.88	21	5.75
Total Suspended Solids	2020-09	mg/L	222	2			1.38 J	1.38 J	7.6	62	23.3	0.75 J	1.75 J	16	11.7	1.13 J	23	13.5
Total Suspended Solids	2020-11	mg/L	372															
Total Suspended Solids	2020-12	mg/L	114															
Total Suspended Solids	2021-03	mg/L	53.4	43.6			1.5 J	2.5	5	85	24.1	<1.88	15.3	11.9	23.6	1.5 J	17.9	2.88
Total Suspended Solids	2021-05	mg/L																
Total Suspended Solids	2021-08	mg/L																
Total Suspended Solids	2021-10	mg/L	88.3	4.88	34.9		3.25	8.13	11.1	71.2	29.9	<1.88	1.63 J	22.3	20	32.1	47.6	4.38
Total Suspended Solids	2021-12	mg/L																
Total Suspended Solids	2022-02	mg/L	24 J		22 J	5.33												

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Table 19  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Toluene	2014-12	ug/L																
Toluene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Toluene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Toluene	2016-04	ug/L	<1	<b>0.168 J</b>	<1						<1					<1	<1	
Toluene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Toluene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Toluene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Toluene	2017-12	ug/L			<1													
Toluene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Toluene	2018-07	ug/L								<1								
Toluene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Toluene	2019-01	ug/L								<1								
Toluene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Toluene	2019-05	ug/L		<1						<1								
Toluene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Toluene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Toluene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Toluene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Toluene	2021-05	ug/L	<1															
Toluene	2021-08	ug/L						<1	<1									
Toluene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2021-12	ug/L	<1															
Toluene	2022-02	ug/L						<1	<1									
Toluene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2022-07	ug/L																
Toluene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2023-05	ug/L																
Toluene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Toluene	2024-09	ug/L	< 1	< 1	< 1			< 1	<b>0.52 J</b>	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Suspended Solids	2014-09	mg/L	<b>18</b>	<b>&lt;1.88</b>	<b>235</b>	<b>48.0</b>	<b>57.3</b>				<b>182</b>					<b>256</b>	<b>149</b>	
Total Suspended Solids	2014-12	mg/L																
Total Suspended Solids	2015-04	mg/L	<b>1.83</b>	< 2.50	<b>25.8</b>	<b>16.4</b>	<b>31</b>				<b>52.7</b>					< 2.50	<b>4.75</b>	
Total Suspended Solids	2015-10	mg/L	<1.2	<b>1.63 J</b>	<b>19.3</b>	<b>42.8</b>					<b>16.5</b>					<1.2	<b>2.13</b>	
Total Suspended Solids	2016-04	mg/L	<b>6</b>	<b>0.625 J</b>	<1.88	<b>47.3</b>					<b>2.88</b>					<1.88	<b>1.13 J</b>	
Total Suspended Solids	2016-10	mg/L	<b>270</b>	<b>62.6</b>	<b>50</b>	<b>572</b>					<b>1.88</b>					<b>3.87</b>	<b>5.87</b>	
Total Suspended Solids	2017-03	mg/L	<b>3</b>	<b>0.625 J</b>	<b>5.5</b>						<b>1.75 J</b>					<b>0.75 J</b>	<b>19.4</b>	
Total Suspended Solids	2017-06	mg/L	<b>2.25</b>		<b>0.625 J</b>													
Total Suspended Solids	2017-10	mg/L	<1.88	<b>0.625 J</b>	<b>1.88</b>						<b>0.875 J</b>					<b>1.25 J</b>	<b>2</b>	
Total Suspended Solids	2017-12	mg/L			<b>2.13</b>													
Total Suspended Solids	2018-04	mg/L	<b>0.875 J</b>	<b>0.75 J</b>	<b>27.6</b>	<b>32</b>	<b>20</b>				<b>2.25</b>					<1.88	<b>5.88</b>	<b>73.3</b>
Total Suspended Solids	2018-07	mg/L								<b>30.5</b>								
Total Suspended Solids	2018-10	mg/L	<b>4.38</b>	<b>5.83</b>	<b>20.3</b>	<b>66.7</b>				<b>16</b>	<b>4.38</b>					<b>51.6</b>	<b>2.38</b>	
Total Suspended Solids	2019-01	mg/L		<b>2.63</b>						<b>24.3</b>								
Total Suspended Solids	2019-03	mg/L	<b>2.38</b>	<b>2.88</b>	<b>7.5</b>	<b>3.5</b>	<b>9.87</b>			<b>11.6</b>	<b>10.5</b>					<1.88	<b>0.75 J</b>	
Total Suspended Solids	2019-05	mg/L		<b>1.63 J</b>						<b>6.63</b>								
Total Suspended Solids	2019-10	mg/L	<b>1.75 J</b>	<b>3.13</b>	<b>1.5 J</b>	<b>26.5</b>	<b>18.1</b>			<b>5.63</b>	<b>9.5</b>					<b>5.88</b>	<b>5</b>	
Total Suspended Solids	2020-03	mg/L	<1.88	<b>16.1</b>	<b>14.5</b>	<b>36</b>	<b>10.3</b>			<b>20</b>	<b>9.5</b>					<1.88	<b>1.38 J</b>	
Total Suspended Solids	2020-09	mg/L	<b>1 J</b>	<b>2.88</b>	<b>2.38</b>	<b>23</b>	<b>39</b>			<b>7.25</b>	<b>5.5</b>					<b>1 J</b>	<b>2.13</b>	
Total Suspended Solids	2020-11	mg/L																
Total Suspended Solids	2020-12	mg/L																
Total Suspended Solids	2021-03	mg/L	<b>10.5</b>	<b>7.25</b>	<b>7</b>	<b>62.4</b>	<b>10.9</b>	<b>7.13</b>	<b>174</b>	<b>24.4</b>	<b>5</b>					<1.88	<b>1 J</b>	
Total Suspended Solids	2021-05	mg/L	<b>12.4</b>															
Total Suspended Solids	2021-08	mg/L						<b>37.6</b>	<b>69</b>									
Total Suspended Solids	2021-10	mg/L	<b>3.13</b>	<b>11.8</b>	<b>8</b>	<b>34.3</b>	<b>27.4</b>	<b>10.4</b>	<b>148</b>	<b>15.1</b>	<b>543</b>							
Total Suspended Solids	2021-12	mg/L	<b>3.5 J</b>															
Total Suspended Solids	2022-02	mg/L						<b>72</b>	<b>256</b>									



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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Total Suspended Solids	2022-04	mg/L	14.5	8.25	27	10	<1.88	1.75 J	6.12	79	33	0.75 J	47	63	33	1.13 J	23	<1.88
Total Suspended Solids	2022-07	mg/L			24	56.5												
Total Suspended Solids	2022-10	mg/L	64	91	27.5	15.5	10.1	5.88	6.25	52	28.5	4.38		20.8	20.5	8	38	1.13 J
Total Suspended Solids	2022-12	mg/L		5.67														
Total Suspended Solids	2023-04	mg/L	80.3	6.75	26.5	11.3	8.75	2.13	6.38	87	37	1 J	6.12	10.4	22.5	4	37	8.37
Total Suspended Solids	2023-06	mg/L	80			15												
Total Suspended Solids	2023-10	mg/L	78	2.25	29	18	5.13	2.13	17.3	50	30	0.75 J		24	123	25	180	6.38
Total Suspended Solids	2023-12	mg/L	80	11.8		18.7												
Total Suspended Solids	2024-04	mg/L	52.8	11.8	28	12	4.13	<1.88	3	114	32.7	<1.88	35.5	25.5	22.3	4.75	34	3.63
Total Suspended Solids	2024-05	mg/L											79					
Total Suspended Solids	2024-09	mg/L	7	< 1.88	25	13	2.88	2.63	4.25	59	30.3	< 1.88	22	23.5	24.5	1.75 J	35	1.88
Toxaphene	2009-03	ug/L						<2	<2	<2								
Toxaphene	2009-06	ug/L					<2.00	<2	<2	<2.00	<2			<2.00				
Toxaphene	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Toxaphene	2009-12	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Toxaphene	2010-03	ug/L					<2.00				<2.00			<2.00				
Toxaphene	2010-06	ug/L										<2.00						
Toxaphene	2010-08	ug/L										<2.00	<2.00					
Toxaphene	2010-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00				
Toxaphene	2010-12	ug/L										<2.00						
Toxaphene	2011-03	ug/L						<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Toxaphene	2011-06	ug/L											<2.00	<2.00	<2.00	<2.45	<2.00	
Toxaphene	2011-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	
Toxaphene	2011-12	ug/L													<2.00	<2.00	<2.00	
Toxaphene	2012-03	ug/L														<2.00	<2.00	
Toxaphene	2014-12	ug/L																<2.20
Toxaphene	2016-10	ug/L						<2.06	<2	<2.15						<2.06	<2.06	
Toxaphene	2017-10	ug/L						<2.08										
Toxaphene	2017-12	ug/L					<2.08					<2.08						<2.08
Toxaphene	2018-07	ug/L											<2.08					
Toxaphene	2018-10	ug/L											<2.06					
Toxaphene	2019-05	ug/L																
Toxaphene	2021-10	ug/L							<2.11	<2.11	<2.11					<2.11	<2.11	
Toxaphene	2021-12	ug/L																
Toxaphene	2022-10	ug/L					<1.69	<1.75					<1.69					<1.82
Toxaphene	2023-04	ug/L									<2							
Toxaphene	2024-04	ug/L											<2					
trans-1,2-Dichloroethene	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
trans-1,2-Dichloroethene	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
trans-1,2-Dichloroethene	2008-08	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
trans-1,2-Dichloroethene	2008-09	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
trans-1,2-Dichloroethene	2008-10	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
trans-1,2-Dichloroethene	2009-03	ug/L					<1	<1	<1	<1	<1	<1	<1	<1	<1			
trans-1,2-Dichloroethene	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
trans-1,2-Dichloroethene	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
trans-1,2-Dichloroethene	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00				
trans-1,2-Dichloroethene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
trans-1,2-Dichloroethene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00					<1.00	<1.00	
trans-1,2-Dichloroethene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
trans-1,2-Dichloroethene	2011-07	ug/L	<1.00															
trans-1,2-Dichloroethene	2011-08	ug/L		<1.00														
trans-1,2-Dichloroethene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Total Suspended Solids	2022-04	mg/L	5.13	22	1.38 J	70	18	8.87	59	36	6.38							
Total Suspended Solids	2022-07	mg/L																
Total Suspended Solids	2022-10	mg/L	26.8	28	4.5	44.5	20.8	6.63	12.3	18.9	253							
Total Suspended Solids	2022-12	mg/L																
Total Suspended Solids	2023-04	mg/L	3.63	22	6.25	60.3	8.37	18.4	76.2	48	131							
Total Suspended Solids	2023-06	mg/L	2.13															
Total Suspended Solids	2023-10	mg/L	29	38	45	259	27	202	251	47	8.13							
Total Suspended Solids	2023-12	mg/L																
Total Suspended Solids	2024-04	mg/L	4.62	23	8.63	52	18	1010	29.4	42	26.6							
Total Suspended Solids	2024-05	mg/L		11.3				1100				<1.88	272	3.25	4.88			5.37
Total Suspended Solids	2024-09	mg/L	< 1.88	17.3	6.87	42.3	13.3	< 1.88	2.88	36	17.4	7.5	18.7	3.75	6.75	< 1.88	1.5 J	4.5
Toxaphene	2009-03	ug/L																
Toxaphene	2009-06	ug/L																
Toxaphene	2009-09	ug/L																
Toxaphene	2009-12	ug/L																
Toxaphene	2010-03	ug/L																
Toxaphene	2010-06	ug/L																
Toxaphene	2010-08	ug/L																
Toxaphene	2010-09	ug/L																
Toxaphene	2010-12	ug/L																
Toxaphene	2011-03	ug/L																
Toxaphene	2011-06	ug/L																
Toxaphene	2011-09	ug/L																
Toxaphene	2011-12	ug/L																
Toxaphene	2012-03	ug/L																
Toxaphene	2014-12	ug/L																
Toxaphene	2016-10	ug/L									<2.08					<2.08	<2.08	
Toxaphene	2017-10	ug/L																
Toxaphene	2017-12	ug/L			<2.08													
Toxaphene	2018-07	ug/L								<2.02								
Toxaphene	2018-10	ug/L								<2.06								
Toxaphene	2019-05	ug/L		<2.04														
Toxaphene	2021-10	ug/L																
Toxaphene	2021-12	ug/L	<2.11															
Toxaphene	2022-10	ug/L			<1.69													
Toxaphene	2023-04	ug/L	<2															
Toxaphene	2024-04	ug/L		<2														
trans-1,2-Dichloroethene	2008-01	ug/L																
trans-1,2-Dichloroethene	2008-03	ug/L																
trans-1,2-Dichloroethene	2008-08	ug/L																
trans-1,2-Dichloroethene	2008-09	ug/L																
trans-1,2-Dichloroethene	2008-10	ug/L																
trans-1,2-Dichloroethene	2009-03	ug/L																
trans-1,2-Dichloroethene	2009-06	ug/L																
trans-1,2-Dichloroethene	2009-09	ug/L																
trans-1,2-Dichloroethene	2009-12	ug/L																
trans-1,2-Dichloroethene	2010-03	ug/L																
trans-1,2-Dichloroethene	2010-06	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2010-08	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2010-09	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2010-12	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2011-03	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2011-04	ug/L																
trans-1,2-Dichloroethene	2011-06	ug/L																
trans-1,2-Dichloroethene	2011-07	ug/L																
trans-1,2-Dichloroethene	2011-08	ug/L																
trans-1,2-Dichloroethene	2011-09	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2011-12	ug/L																

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Permit No. 57-SDP-01-72P

**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
trans-1,2-Dichloroethene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2012-06	ug/L																
trans-1,2-Dichloroethene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2013-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2013-06	ug/L																
trans-1,2-Dichloroethene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2013-11	ug/L																
trans-1,2-Dichloroethene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	2014-06	ug/L																
trans-1,2-Dichloroethene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
trans-1,2-Dichloroethene	2014-12	ug/L																<1.00
trans-1,2-Dichloroethene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	< 1	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
trans-1,2-Dichloroethene	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2016-04	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
trans-1,2-Dichloroethene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
trans-1,2-Dichloroethene	2017-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1
trans-1,2-Dichloroethene	2017-10	ug/L	<1	<1			<1	<1	0.22 J	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2017-12	ug/L					<1					<1						<1
trans-1,2-Dichloroethene	2018-04	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2018-07	ug/L												<1				
trans-1,2-Dichloroethene	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2019-01	ug/L																
trans-1,2-Dichloroethene	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2019-05	ug/L																
trans-1,2-Dichloroethene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2021-05	ug/L																
trans-1,2-Dichloroethene	2021-08	ug/L																
trans-1,2-Dichloroethene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2021-12	ug/L																
trans-1,2-Dichloroethene	2022-02	ug/L	<1		<1	<1												
trans-1,2-Dichloroethene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2022-07	ug/L			<1	<1												
trans-1,2-Dichloroethene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2023-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2023-05	ug/L			<1													
trans-1,2-Dichloroethene	2023-10	ug/L	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
trans-1,2-Dichloroethene	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2008-01	ug/L					<5	<5	<5.00	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	2008-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
trans-1,3-Dichloropropene	2008-08	ug/L					<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	2008-09	ug/L					<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	2008-10	ug/L					<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	2009-03	ug/L					<5	<5	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	2009-06	ug/L					<25.0	<5	<5	<5.00	<5			<5.00				
trans-1,3-Dichloropropene	2009-09	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00			
trans-1,3-Dichloropropene	2009-12	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00				
trans-1,3-Dichloropropene	2010-03	ug/L					<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00				
trans-1,3-Dichloropropene	2010-06	ug/L									<5.00	<5.00			<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2010-08	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	2010-12	ug/L									<10.0	<10.0			<10.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	2011-03	ug/L		<5.00			<10.0	<5.00	<5.00	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2011-04	ug/L					<5.00		<5.00	<50.0	<5.00						<5.00	<5.00
trans-1,3-Dichloropropene	2011-06	ug/L		<5.00								<5.00		<5.00	<5.00	<5.00	<5.00	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
trans-1,2-Dichloroethene	2012-03	ug/L	<1.00	<1.00														
trans-1,2-Dichloroethene	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
trans-1,2-Dichloroethene	2012-10	ug/L																
trans-1,2-Dichloroethene	2013-03	ug/L	<1.00								<1.00							
trans-1,2-Dichloroethene	2013-06	ug/L			<1.00													
trans-1,2-Dichloroethene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
trans-1,2-Dichloroethene	2013-11	ug/L			<1.00													
trans-1,2-Dichloroethene	2014-03	ug/L	<1.00		<1.00						<1.00							
trans-1,2-Dichloroethene	2014-06	ug/L		<1.00	<1.00													
trans-1,2-Dichloroethene	2014-09	ug/L	<1	<1	<1						<1							
trans-1,2-Dichloroethene	2014-12	ug/L																
trans-1,2-Dichloroethene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
trans-1,2-Dichloroethene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2017-12	ug/L			<1													
trans-1,2-Dichloroethene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
trans-1,2-Dichloroethene	2018-07	ug/L								<1								
trans-1,2-Dichloroethene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
trans-1,2-Dichloroethene	2019-01	ug/L								<1								
trans-1,2-Dichloroethene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
trans-1,2-Dichloroethene	2019-05	ug/L		<1						<1								
trans-1,2-Dichloroethene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
trans-1,2-Dichloroethene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
trans-1,2-Dichloroethene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
trans-1,2-Dichloroethene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
trans-1,2-Dichloroethene	2021-05	ug/L	<1															
trans-1,2-Dichloroethene	2021-08	ug/L						<1	<1									
trans-1,2-Dichloroethene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2021-12	ug/L	<1															
trans-1,2-Dichloroethene	2022-02	ug/L						<1	<1									
trans-1,2-Dichloroethene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2022-07	ug/L																
trans-1,2-Dichloroethene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2023-05	ug/L																
trans-1,2-Dichloroethene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
trans-1,2-Dichloroethene	2024-09	ug/L	< 1	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2008-01	ug/L																
trans-1,3-Dichloropropene	2008-03	ug/L																
trans-1,3-Dichloropropene	2008-08	ug/L																
trans-1,3-Dichloropropene	2008-09	ug/L																
trans-1,3-Dichloropropene	2008-10	ug/L																
trans-1,3-Dichloropropene	2009-03	ug/L																
trans-1,3-Dichloropropene	2009-06	ug/L																
trans-1,3-Dichloropropene	2009-09	ug/L																
trans-1,3-Dichloropropene	2009-12	ug/L																
trans-1,3-Dichloropropene	2010-03	ug/L																
trans-1,3-Dichloropropene	2010-06	ug/L	<5.00	<5.00														
trans-1,3-Dichloropropene	2010-08	ug/L	<10.0	<10.0														
trans-1,3-Dichloropropene	2010-09	ug/L	<10.0	<10.0														
trans-1,3-Dichloropropene	2010-12	ug/L	<10.0	<10.0														
trans-1,3-Dichloropropene	2011-03	ug/L	<5.00	<5.00														
trans-1,3-Dichloropropene	2011-04	ug/L																
trans-1,3-Dichloropropene	2011-06	ug/L																

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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
trans-1,3-Dichloropropene	2011-07	ug/L	<5.00															
trans-1,3-Dichloropropene	2011-08	ug/L		<5.00														
trans-1,3-Dichloropropene	2011-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2011-12	ug/L	<5.00	<5.00											<5.00	<5.00	<5.00	
trans-1,3-Dichloropropene	2012-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2012-06	ug/L																
trans-1,3-Dichloropropene	2012-10	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2013-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2013-06	ug/L																
trans-1,3-Dichloropropene	2013-09	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2013-11	ug/L																
trans-1,3-Dichloropropene	2014-03	ug/L	<5.00	<5.00			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	2014-06	ug/L																
trans-1,3-Dichloropropene	2014-09	ug/L	<5	<5			<5.00	<5.00	<5.00	<5.00	<5	<5	<5	<5.00	<5.00	<5.00	<5.00	<5
trans-1,3-Dichloropropene	2014-12	ug/L															<5.00	
trans-1,3-Dichloropropene	2015-04	ug/L	<5.00	<5			<5	<5.00	<5	<5	<5	<5.00	<5.00			<5.00	<5	<5
trans-1,3-Dichloropropene	2015-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2016-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2016-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2017-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2017-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2017-12	ug/L					<5					<5						<5
trans-1,3-Dichloropropene	2018-04	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2018-07	ug/L											<5					
trans-1,3-Dichloropropene	2018-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2019-01	ug/L																
trans-1,3-Dichloropropene	2019-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2019-05	ug/L																
trans-1,3-Dichloropropene	2019-10	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2020-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2020-09	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<1	<5	<5
trans-1,3-Dichloropropene	2021-03	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2021-05	ug/L																
trans-1,3-Dichloropropene	2021-08	ug/L																
trans-1,3-Dichloropropene	2021-10	ug/L	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2021-12	ug/L																
trans-1,3-Dichloropropene	2022-02	ug/L	<5		<5	<5												
trans-1,3-Dichloropropene	2022-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2022-07	ug/L			<5	<5												
trans-1,3-Dichloropropene	2022-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2023-04	ug/L	<5	<5			<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2023-05	ug/L			<5													
trans-1,3-Dichloropropene	2023-10	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2024-04	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	2024-09	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,4-Dichloro-2-butene	2008-01	ug/L					<10	<10	<10.0	<10	<10	<10	<10	<10	<10			
trans-1,4-Dichloro-2-butene	2008-03	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
trans-1,4-Dichloro-2-butene	2008-08	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
trans-1,4-Dichloro-2-butene	2008-09	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
trans-1,4-Dichloro-2-butene	2008-10	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
trans-1,4-Dichloro-2-butene	2009-03	ug/L					<10	<10	<10	<10	<10	<10	<10	<10	<10			
trans-1,4-Dichloro-2-butene	2009-06	ug/L					<50.0	<10	<10	<10.0	<10			<10.0				
trans-1,4-Dichloro-2-butene	2009-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0			
trans-1,4-Dichloro-2-butene	2009-12	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0			<10.0				
trans-1,4-Dichloro-2-butene	2010-03	ug/L					<10.0	<10.0	<50.0	<50.0	<10.0	<10.0	<10.0	<50.0	<10.0			
trans-1,4-Dichloro-2-butene	2010-06	ug/L											<10.0			<10.0	<10.0	<10.0
trans-1,4-Dichloro-2-butene	2010-08	ug/L											<10.0	<10.0		<10.0	<10.0	<10.0
trans-1,4-Dichloro-2-butene	2010-09	ug/L					<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
trans-1,3-Dichloropropene	2011-07	ug/L																
trans-1,3-Dichloropropene	2011-08	ug/L																
trans-1,3-Dichloropropene	2011-09	ug/L	<5.00	<5.00														
trans-1,3-Dichloropropene	2011-12	ug/L																
trans-1,3-Dichloropropene	2012-03	ug/L	<5.00	<5.00														
trans-1,3-Dichloropropene	2012-06	ug/L									<5.00	<5.00		<5.00		<5.00	<5.00	
trans-1,3-Dichloropropene	2012-10	ug/L																
trans-1,3-Dichloropropene	2013-03	ug/L	<5.00								<5.00							
trans-1,3-Dichloropropene	2013-06	ug/L			<5.00													
trans-1,3-Dichloropropene	2013-09	ug/L	<5.00	<5.00	<5.00						<5.00							
trans-1,3-Dichloropropene	2013-11	ug/L			<5.00													
trans-1,3-Dichloropropene	2014-03	ug/L	<5.00		<5.00						<5.00							
trans-1,3-Dichloropropene	2014-06	ug/L		<5.00	<5.00													
trans-1,3-Dichloropropene	2014-09	ug/L	<5	<5	<5						<5							
trans-1,3-Dichloropropene	2014-12	ug/L																
trans-1,3-Dichloropropene	2015-04	ug/L	< 5.00	< 5.00	< 5.00						< 5							
trans-1,3-Dichloropropene	2015-10	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2016-04	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2016-10	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2017-03	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2017-10	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2017-12	ug/L			<5													
trans-1,3-Dichloropropene	2018-04	ug/L	<5	<5	<5						<5					<5	<5	
trans-1,3-Dichloropropene	2018-07	ug/L								<5								
trans-1,3-Dichloropropene	2018-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
trans-1,3-Dichloropropene	2019-01	ug/L								<5								
trans-1,3-Dichloropropene	2019-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
trans-1,3-Dichloropropene	2019-05	ug/L		<5						<5								
trans-1,3-Dichloropropene	2019-10	ug/L	<5	<5	<5					<5	<5					<5	<5	
trans-1,3-Dichloropropene	2020-03	ug/L	<5	<5	<5					<5	<5					<5	<5	
trans-1,3-Dichloropropene	2020-09	ug/L	<5	<5	<5					<5	<5					<5	<5	
trans-1,3-Dichloropropene	2021-03	ug/L	<5	<5	<5			<5	<5	<5	<5					<5	<5	
trans-1,3-Dichloropropene	2021-05	ug/L	<5															
trans-1,3-Dichloropropene	2021-08	ug/L						<5	<5									
trans-1,3-Dichloropropene	2021-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2021-12	ug/L	<5															
trans-1,3-Dichloropropene	2022-02	ug/L						<5	<5									
trans-1,3-Dichloropropene	2022-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2022-07	ug/L																
trans-1,3-Dichloropropene	2022-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2023-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2023-05	ug/L																
trans-1,3-Dichloropropene	2023-10	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2024-04	ug/L	<5	<5	<5			<5	<5	<5	<5							
trans-1,3-Dichloropropene	2024-09	ug/L	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,4-Dichloro-2-butene	2008-01	ug/L																
trans-1,4-Dichloro-2-butene	2008-03	ug/L																
trans-1,4-Dichloro-2-butene	2008-08	ug/L																
trans-1,4-Dichloro-2-butene	2008-09	ug/L																
trans-1,4-Dichloro-2-butene	2008-10	ug/L																
trans-1,4-Dichloro-2-butene	2009-03	ug/L																
trans-1,4-Dichloro-2-butene	2009-06	ug/L																
trans-1,4-Dichloro-2-butene	2009-09	ug/L																
trans-1,4-Dichloro-2-butene	2009-12	ug/L																
trans-1,4-Dichloro-2-butene	2010-03	ug/L																
trans-1,4-Dichloro-2-butene	2010-06	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2010-08	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2010-09	ug/L	<10.0	<10.0														



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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
trans-1,4-Dichloro-2-butene	2010-12	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2011-03	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2011-04	ug/L																
trans-1,4-Dichloro-2-butene	2011-06	ug/L																
trans-1,4-Dichloro-2-butene	2011-07	ug/L																
trans-1,4-Dichloro-2-butene	2011-08	ug/L																
trans-1,4-Dichloro-2-butene	2011-09	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2011-12	ug/L																
trans-1,4-Dichloro-2-butene	2012-03	ug/L	<10.0	<10.0														
trans-1,4-Dichloro-2-butene	2012-06	ug/L									<10.0	<10.0		<10.0		<10.0	<10.0	
trans-1,4-Dichloro-2-butene	2012-10	ug/L																
trans-1,4-Dichloro-2-butene	2013-03	ug/L	<10.0								<10.0							
trans-1,4-Dichloro-2-butene	2013-06	ug/L			<10.0													
trans-1,4-Dichloro-2-butene	2013-09	ug/L	<10.0	<10.0	<10.0						<10.0							
trans-1,4-Dichloro-2-butene	2013-11	ug/L			<10.0													
trans-1,4-Dichloro-2-butene	2014-03	ug/L	<10.0		<10.0						<10.0							
trans-1,4-Dichloro-2-butene	2014-06	ug/L		<10.0	<10.0													
trans-1,4-Dichloro-2-butene	2014-09	ug/L	<10	<10	<10						<10							
trans-1,4-Dichloro-2-butene	2014-12	ug/L																
trans-1,4-Dichloro-2-butene	2015-04	ug/L	<10.0	<10.0	<10.0						<10							
trans-1,4-Dichloro-2-butene	2015-10	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2017-03	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2017-10	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2017-12	ug/L			<10													
trans-1,4-Dichloro-2-butene	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
trans-1,4-Dichloro-2-butene	2018-07	ug/L																
trans-1,4-Dichloro-2-butene	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2019-01	ug/L								<10								
trans-1,4-Dichloro-2-butene	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2019-05	ug/L		<10						<10								
trans-1,4-Dichloro-2-butene	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
trans-1,4-Dichloro-2-butene	2021-05	ug/L	<10															
trans-1,4-Dichloro-2-butene	2021-08	ug/L						<10	<10									
trans-1,4-Dichloro-2-butene	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2021-12	ug/L	<10															
trans-1,4-Dichloro-2-butene	2022-02	ug/L						<10	<10									
trans-1,4-Dichloro-2-butene	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2022-07	ug/L																
trans-1,4-Dichloro-2-butene	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2023-05	ug/L																
trans-1,4-Dichloro-2-butene	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
trans-1,4-Dichloro-2-butene	2024-09	ug/L	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene	2008-01	ug/L																
Trichloroethene	2008-03	ug/L																
Trichloroethene	2008-08	ug/L																
Trichloroethene	2008-09	ug/L																
Trichloroethene	2008-10	ug/L																
Trichloroethene	2009-03	ug/L																
Trichloroethene	2009-06	ug/L																
Trichloroethene	2009-09	ug/L																
Trichloroethene	2009-12	ug/L																



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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Trichloroethene	2010-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Trichloroethene	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Trichloroethene	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Trichloroethene	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2010-12	ug/L										<1.00				<1.00	<1.00	<1.00
Trichloroethene	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
Trichloroethene	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Trichloroethene	2011-07	ug/L	<1.00															
Trichloroethene	2011-08	ug/L		<1.00														
Trichloroethene	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2011-12	ug/L	<1.00	<1.00											<1.00	<1.00	<1.00	
Trichloroethene	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2012-06	ug/L																
Trichloroethene	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2013-03	ug/L	<1.00	<b>0.289</b>			<1.00	<1.00	<b>0.333</b>	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2013-06	ug/L																
Trichloroethene	2013-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2013-11	ug/L																
Trichloroethene	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	2014-06	ug/L																
Trichloroethene	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	<1.00	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<1
Trichloroethene	2014-12	ug/L															<1.00	
Trichloroethene	2015-04	ug/L	< 1.00	< 1			< 1	< 1.00	< 1	< 1	< 1	< 1.00	< 1.00			< 1.00	< 1	< 1
Trichloroethene	2015-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1				<1	<1	<1
Trichloroethene	2016-04	ug/L	<1	<1			<1	<1	<b>0.29 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2016-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2017-03	ug/L	<1	<1			<1	<1	<b>0.537 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2017-10	ug/L	<1	<1			<1	<1	<b>1.39 e</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2017-12	ug/L					<1					<1						<1
Trichloroethene	2018-04	ug/L	<1	<1	<1		<1	<1	<b>0.397 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2018-07	ug/L											<1					
Trichloroethene	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2019-01	ug/L																
Trichloroethene	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2019-05	ug/L																
Trichloroethene	2019-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2020-03	ug/L	<1	<1			<1	<1	<b>0.671 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2021-05	ug/L																
Trichloroethene	2021-08	ug/L																
Trichloroethene	2021-10	ug/L	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2021-12	ug/L																
Trichloroethene	2022-02	ug/L	<1		<1	<1												
Trichloroethene	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<b>0.757 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2022-07	ug/L			<1	<1												
Trichloroethene	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2023-04	ug/L	<1	<1		<1	<1	<1	<b>0.813 J</b>	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2023-05	ug/L			<1													
Trichloroethene	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Trichloroethene	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	2024-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	
Vanadium	2008-01	mg/L					<0.05	<0.05	<0.0500	<0.05	<0.05	<0.05	<0.05	<b>0.0711</b>	<0.05			
Vanadium	2008-03	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Vanadium	2008-08	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<b>0.0572</b>	<0.05			
Vanadium	2008-09	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
Vanadium	2008-10	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Trichloroethene	2010-03	ug/L																
Trichloroethene	2010-06	ug/L	<1.00	<1.00														
Trichloroethene	2010-08	ug/L	<1.00	<1.00														
Trichloroethene	2010-09	ug/L	<1.00	<1.00														
Trichloroethene	2010-12	ug/L	<1.00	<1.00														
Trichloroethene	2011-03	ug/L	<1.00	<1.00														
Trichloroethene	2011-04	ug/L																
Trichloroethene	2011-06	ug/L																
Trichloroethene	2011-07	ug/L																
Trichloroethene	2011-08	ug/L																
Trichloroethene	2011-09	ug/L	<1.00	<1.00														
Trichloroethene	2011-12	ug/L																
Trichloroethene	2012-03	ug/L	<1.00	<1.00														
Trichloroethene	2012-06	ug/L								<1.00	<1.00			<1.00		<1.00	<1.00	
Trichloroethene	2012-10	ug/L																
Trichloroethene	2013-03	ug/L	<1.00							<1.00								
Trichloroethene	2013-06	ug/L			<1.00													
Trichloroethene	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Trichloroethene	2013-11	ug/L			<1.00													
Trichloroethene	2014-03	ug/L	<1.00		<1.00						<1.00							
Trichloroethene	2014-06	ug/L		<1.00	<1.00													
Trichloroethene	2014-09	ug/L	<1	<1	<1						<1							
Trichloroethene	2014-12	ug/L																
Trichloroethene	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Trichloroethene	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2017-10	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2017-12	ug/L			<1													
Trichloroethene	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Trichloroethene	2018-07	ug/L								<1								
Trichloroethene	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Trichloroethene	2019-01	ug/L								<1								
Trichloroethene	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Trichloroethene	2019-05	ug/L		<1						<1								
Trichloroethene	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Trichloroethene	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Trichloroethene	2020-09	ug/L	<1	<1	<1					<1	<1					<1	<1	
Trichloroethene	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Trichloroethene	2021-05	ug/L	<1															
Trichloroethene	2021-08	ug/L						<1	<1									
Trichloroethene	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2021-12	ug/L	<1															
Trichloroethene	2022-02	ug/L						<1	<1									
Trichloroethene	2022-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2022-07	ug/L																
Trichloroethene	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2023-05	ug/L																
Trichloroethene	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Trichloroethene	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	2008-01	mg/L																
Vanadium	2008-03	mg/L																
Vanadium	2008-08	mg/L																
Vanadium	2008-09	mg/L																
Vanadium	2008-10	mg/L																

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Table 19  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Vanadium	2009-03	mg/L					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
Vanadium	2009-06	mg/L					<0.0500	<0.05	<0.05	<0.0500	<0.05			<0.0500				
Vanadium	2009-09	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Vanadium	2009-12	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			<0.0500				
Vanadium	2010-03	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			
Vanadium	2010-06	mg/L									<0.0500				<0.0500	<0.0500	<0.0500	
Vanadium	2010-08	mg/L									<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	
Vanadium	2010-09	mg/L					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2010-12	mg/L									<0.0500				<0.0500	<0.0500	<0.0500	
Vanadium	2011-03	mg/L		<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2011-06	mg/L		<0.0500										<0.0500	<0.0500	<0.0500	<0.0500	
Vanadium	2011-07	mg/L	<0.0500															
Vanadium	2011-08	mg/L		<0.0500														
Vanadium	2011-09	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2011-12	mg/L	<0.0500	<0.0500											<0.0500	<0.0500	<0.0500	
Vanadium	2012-03	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2012-04	mg/L																
Vanadium	2012-06	mg/L																
Vanadium	2012-10	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2013-03	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<b>0.0133</b>	<0.0500	<0.0500		<0.0500	<b>0.00315</b>	<0.0500	<0.0500	<b>0.0187</b>
Vanadium	2013-06	mg/L																
Vanadium	2013-09	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<b>0.00383</b>	<0.0500	<0.0500		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2013-11	mg/L																
Vanadium	2014-03	mg/L	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<b>0.00667</b>	<0.0500	<0.0500	<0.0500	<b>0.00267</b>	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium	2014-06	mg/L																
Vanadium	2014-09	mg/L	<b>0.000592</b>	<0.005			<0.00500	<0.00500	<0.00500	<b>0.00581</b>	<b>0.000588</b>	<b>0.000986</b>	<b>0.000947</b>	<0.00500	<0.00500	<0.00500	<0.00500	<b>0.00152</b>
Vanadium	2014-12	mg/L																<0.00500
Vanadium	2015-04	mg/L	<0.00500	<0.005			<0.005	<0.00500	<0.005	<b>0.00476</b>	<0.005	<0.005	<b>0.000493</b>			<0.005	<0.005	<0.005
Vanadium	2015-10	mg/L	<0.05	<0.05			<b>0.00104 J</b>	<0.05	<b>0.000464 J</b>	<b>0.00515</b>	<0.05	<b>0.000932 J</b>			<0.05	<0.05	<0.05	
Vanadium	2016-04	mg/L	<0.005	<0.005			<b>0.000313 J</b>	<0.005	<b>0.000284 J</b>	<b>0.00404 J</b>	<b>0.000397 J</b>	<b>0.000374 J</b>	<b>0.000621 J</b>		<0.005	<0.005	<0.005	
Vanadium	2016-10	mg/L	<b>0.000278 J</b>	<0.005			<b>0.00334 J</b>	<b>0.000663 J</b>	<b>0.000386 J</b>	<b>0.00356 J</b>	<b>0.000797 J</b>	<b>0.00382</b>	<b>0.00283</b>			<b>0.000443 J</b>	<b>0.00162 J</b>	<b>0.00201</b>
Vanadium	2017-03	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<b>0.00353 J</b>	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
Vanadium	2017-10	mg/L	<0.005	<0.005			<0.005	<0.005	<0.005	<b>0.00329 J</b>	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
Vanadium	2017-12	mg/L					<b>0.00163 J</b>					<0.005						<b>0.00159 J</b>
Vanadium	2018-04	mg/L	<0.005	<b>0.00646</b>	<0.005		<b>0.00107 J</b>	<b>0.000537 J</b>	<0.005	<b>0.00355 J</b>	<0.005	<b>0.001 J</b>	<b>0.000999 J</b>			<b>0.000688 J</b>	<0.005	<b>0.0011 J</b>
Vanadium	2018-07	mg/L											<b>0.000594 J</b>					
Vanadium	2018-10	mg/L	<0.005	<0.005			<b>0.0011 J</b>	<0.005	<b>0.000559 J</b>	<b>0.00234 J</b>	<b>0.000774 J</b>	<b>0.000772 J</b>	<b>0.000915 J</b>			<0.005	<0.005	<0.005
Vanadium	2019-01	mg/L																
Vanadium	2019-03	mg/L	<0.005	<0.005			<b>0.00198 J</b>	<0.005	<0.005	<b>0.0052</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Vanadium	2019-05	mg/L																
Vanadium	2019-10	mg/L	<0.005	<0.005			<b>0.0013 J</b>	<0.005	<0.005	<b>0.00269 J</b>	<0.005	<b>0.001 J</b>	<0.005			<0.005	<0.005	<b>0.00102 J</b>
Vanadium	2020-03	mg/L	<b>0.000923 J</b>	<0.005			<b>0.000993 J</b>	<0.005	<0.005	<b>0.00282 J</b>	<0.005	<0.005	<b>0.000898 J</b>			<0.005	<0.005	<0.005
Vanadium	2020-09	mg/L	<0.005	<0.005			<b>0.00262 J</b>	<0.005	<0.005	<b>0.00237 J</b>	<0.005	<b>0.000971 J</b>	<0.005			<0.005	<0.005	<0.005
Vanadium	2020-11	mg/L	<b>0.00291 J</b>															
Vanadium	2020-12	mg/L	<0.005															
Vanadium	2021-03	mg/L	<0.005	<0.005			<b>0.00244 J</b>	<0.005	<0.005	<b>0.00427 J</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Vanadium	2021-05	mg/L																
Vanadium	2021-08	mg/L																
Vanadium	2021-10	mg/L	<0.005	<0.005	<0.005		<b>0.00161 J</b>	<0.005	<0.005	<b>0.00326 J</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Vanadium	2021-12	mg/L																
Vanadium	2022-02	mg/L	<0.005		<0.005	<0.005												
Vanadium	2022-04	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.0017 J</b>	<0.005	<0.005	<b>0.00391 J</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<b>0.00161 J</b>
Vanadium	2022-07	mg/L			<0.005	<b>0.00173 J</b>												
Vanadium	2022-10	mg/L	<0.005	<b>0.00255 J</b>	<0.005	<0.005	<b>0.00259 J</b>	<0.005	<0.005	<b>0.00391 J</b>	<0.005	<0.005				<0.005	<0.005	<0.005
Vanadium	2023-04	mg/L	<0.005	<0.005		<0.005	<b>0.00178 J</b>	<0.005	<0.005	<b>0.00299 J</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Vanadium	2023-05	mg/L			<0.005													
Vanadium	2023-10	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.00127 J</b>	<0.005	<0.005	<b>0.00439 J</b>	<0.005	<0.005				<0.005	<0.005	<0.005
Vanadium	2024-04	mg/L	<0.005	<0.005	<0.005	<0.005	<b>0.00123 J</b>	<0.005	<0.005	<b>0.00208 J</b>	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Vanadium	2009-03	mg/L																
Vanadium	2009-06	mg/L																
Vanadium	2009-09	mg/L																
Vanadium	2009-12	mg/L																
Vanadium	2010-03	mg/L																
Vanadium	2010-06	mg/L	<0.0500	<0.0500														
Vanadium	2010-08	mg/L	<0.0500	<0.0500														
Vanadium	2010-09	mg/L	<0.0500	<0.0500														
Vanadium	2010-12	mg/L	<0.0500	<0.0500														
Vanadium	2011-03	mg/L	<0.0500	<0.0500														
Vanadium	2011-06	mg/L																
Vanadium	2011-07	mg/L																
Vanadium	2011-08	mg/L																
Vanadium	2011-09	mg/L	<0.0500	<0.0500														
Vanadium	2011-12	mg/L																
Vanadium	2012-03	mg/L	<0.0500	<0.0500														
Vanadium	2012-04	mg/L									0.444	<0.0500		<0.0500		<0.0500	<0.0500	
Vanadium	2012-06	mg/L									0.283	<0.0500		<0.0500		<0.0500	<0.0500	
Vanadium	2012-10	mg/L									<0.0500			<0.0500		<0.0500	<0.0500	
Vanadium	2013-03	mg/L	<0.0500								0.129					0.0589	0.00489	
Vanadium	2013-06	mg/L			0.00824													
Vanadium	2013-09	mg/L	0.0113	<0.0500	0.0300						0.0862					0.0416	0.00288	
Vanadium	2013-11	mg/L			0.0220													
Vanadium	2014-03	mg/L	<0.0500		0.0104						0.0172					0.0269	0.00402	
Vanadium	2014-06	mg/L		<0.0500	0.00596													
Vanadium	2014-09	mg/L	0.00107	0.000727	0.00677						0.00836					0.0091	0.00674	
Vanadium	2014-12	mg/L																
Vanadium	2015-04	mg/L	<0.005	<0.005	0.00104						0.00244					<0.00500	<0.00500	
Vanadium	2015-10	mg/L	<0.05	<0.05	0.00129 J						<0.05					<0.05	<0.05	
Vanadium	2016-04	mg/L	0.000686 J	0.000279 J	<0.005						<0.005					<0.005	0.000368 J	
Vanadium	2016-10	mg/L	0.00237 J	0.00231 J	0.00425						0.00108 J					0.00324	0.00138 J	
Vanadium	2017-03	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Vanadium	2017-10	mg/L	<0.005	<0.005	<0.005						<0.005					<0.005	<0.005	
Vanadium	2017-12	mg/L			<0.005													
Vanadium	2018-04	mg/L	<0.005	0.000748 J	<0.005						<0.005					<0.005	<0.005	
Vanadium	2018-07	mg/L								<0.005								
Vanadium	2018-10	mg/L	<0.005	0.000564 J	<0.005					<0.005	0.000981 J					<0.005	<0.005	
Vanadium	2019-01	mg/L								<0.005								
Vanadium	2019-03	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Vanadium	2019-05	mg/L		<0.005	<0.005					<0.005								
Vanadium	2019-10	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	0.000896 J	
Vanadium	2020-03	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Vanadium	2020-09	mg/L	<0.005	<0.005	<0.005					<0.005	<0.005					<0.005	<0.005	
Vanadium	2020-11	mg/L																
Vanadium	2020-12	mg/L																
Vanadium	2021-03	mg/L	<0.005	<0.005	<0.005			<0.005	0.00581	<0.005	<0.005					<0.005	<0.005	
Vanadium	2021-05	mg/L	<0.005															
Vanadium	2021-08	mg/L						0.0011 J	0.00329 J									
Vanadium	2021-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.00834	<0.005	0.00796							
Vanadium	2021-12	mg/L	<0.005															
Vanadium	2022-02	mg/L						0.00331 J	0.00839									
Vanadium	2022-04	mg/L	<0.005	<0.005	<0.005			<0.005	0.00177 J	<0.005	<0.005							
Vanadium	2022-07	mg/L																
Vanadium	2022-10	mg/L	<0.005	<0.005	<0.005			<0.005	0.00111 J	<0.005	0.00394 J							
Vanadium	2023-04	mg/L	<0.005	<0.005	<0.005			<0.005	0.00318 J	<0.005	0.00416 J							
Vanadium	2023-05	mg/L																
Vanadium	2023-10	mg/L	<0.005	<0.005	0.00193 J			0.00135 J	0.0027 J	<0.005	0.00205 J							
Vanadium	2024-04	mg/L	<0.005	<0.005	<0.005			0.00551	0.00164 J	<0.005	0.00143 J							

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Vanadium	2024-05	mg/L																
Vanadium	2024-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.00142 J	< 0.005	< 0.005	0.00324 J	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005
Vinyl Acetate	2008-01	ug/L					<2	<2	<2.00	<2	<2	<2	<2	<2	<2			
Vinyl Acetate	2008-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Vinyl Acetate	2008-08	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Vinyl Acetate	2008-09	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Vinyl Acetate	2008-10	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Vinyl Acetate	2009-03	ug/L					<2	<2	<2	<2	<2	<2	<2	<2	<2			
Vinyl Acetate	2009-06	ug/L					<10.0	<2	<2	<2.00	<2			<2.00				
Vinyl Acetate	2009-09	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Vinyl Acetate	2009-12	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00			<2.00				
Vinyl Acetate	2010-03	ug/L					<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00			
Vinyl Acetate	2010-06	ug/L										<2.00				<2.00	<2.00	<2.00
Vinyl Acetate	2010-08	ug/L										<2.00	<2.00			<2.00	<2.00	<2.00
Vinyl Acetate	2010-09	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
Vinyl Acetate	2010-12	ug/L										<2.00				<2.00	<2.00	<2.00
Vinyl Acetate	2011-03	ug/L		<2.00			<75.0	<2.00	<2.00	<75.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Vinyl Acetate	2011-04	ug/L					<4.00		<4.00	<40.0	<4.00						<4.00	
Vinyl Acetate	2011-06	ug/L		<2.00									<2.00		<2.00	<2.00	<2.00	
Vinyl Acetate	2011-07	ug/L	<2.00															
Vinyl Acetate	2011-08	ug/L		<2.00														
Vinyl Acetate	2011-09	ug/L	<2.00	<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00
Vinyl Acetate	2011-12	ug/L	<20.0	<2.00											<20.0	<20.0	<20.0	
Vinyl Acetate	2012-03	ug/L	<10.0	<10.0			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl Acetate	2012-06	ug/L																
Vinyl Acetate	2012-10	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
Vinyl Acetate	2013-03	ug/L	<2.00	<2.00			<2.00	<2.00	<2.00	<20.0	<2.00	<2.00		<2.00	<2.00	<2.00	<2.00	<2.00
Vinyl Acetate	2013-06	ug/L																
Vinyl Acetate	2013-09	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
Vinyl Acetate	2013-11	ug/L																
Vinyl Acetate	2014-03	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
Vinyl Acetate	2014-06	ug/L																
Vinyl Acetate	2014-09	ug/L	<2	<2			<2.00	<2.00	<2.00	<2.00	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2
Vinyl Acetate	2014-12	ug/L																<10.0
Vinyl Acetate	2015-04	ug/L	< 10.0	< 10			< 10	< 10.0	< 10	< 10	< 10	< 10.0	< 10.0			< 10.0	< 10	< 10
Vinyl Acetate	2015-10	ug/L	<2	<2			<2	<2	<2	<2	<2	<2				<2	<2	<2
Vinyl Acetate	2016-04	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2016-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2017-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2017-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2017-12	ug/L					<10					<10						<10
Vinyl Acetate	2018-04	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2018-07	ug/L										<10						
Vinyl Acetate	2018-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2019-01	ug/L																
Vinyl Acetate	2019-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2019-05	ug/L																
Vinyl Acetate	2019-10	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2020-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2020-09	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2021-03	ug/L	<10	<10			<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2021-05	ug/L																
Vinyl Acetate	2021-08	ug/L																
Vinyl Acetate	2021-10	ug/L	<10	<10	<10		<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2021-12	ug/L																
Vinyl Acetate	2022-02	ug/L	<10		<10	<10												
Vinyl Acetate	2022-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2022-07	ug/L			<10	<10												

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Vanadium	2024-05	mg/L						0.0021 J				0.00423 J	0.00126 J	<0.005	<0.005			<0.005
Vanadium	2024-09	mg/L	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	0.00124 J	0.00608	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vinyl Acetate	2008-01	ug/L																
Vinyl Acetate	2008-03	ug/L																
Vinyl Acetate	2008-08	ug/L																
Vinyl Acetate	2008-09	ug/L																
Vinyl Acetate	2008-10	ug/L																
Vinyl Acetate	2009-03	ug/L																
Vinyl Acetate	2009-06	ug/L																
Vinyl Acetate	2009-09	ug/L																
Vinyl Acetate	2009-12	ug/L																
Vinyl Acetate	2010-03	ug/L																
Vinyl Acetate	2010-06	ug/L	<2.00	<2.00														
Vinyl Acetate	2010-08	ug/L	<2.00	<2.00														
Vinyl Acetate	2010-09	ug/L	<2.00	<2.00														
Vinyl Acetate	2010-12	ug/L	<2.00	<2.00														
Vinyl Acetate	2011-03	ug/L	<2.00	<2.00														
Vinyl Acetate	2011-04	ug/L																
Vinyl Acetate	2011-06	ug/L																
Vinyl Acetate	2011-07	ug/L																
Vinyl Acetate	2011-08	ug/L																
Vinyl Acetate	2011-09	ug/L	<2.00	<2.00														
Vinyl Acetate	2011-12	ug/L																
Vinyl Acetate	2012-03	ug/L	<10.0	<10.0														
Vinyl Acetate	2012-06	ug/L									<2.00	<2.00		<2.00		<2.00	<2.00	
Vinyl Acetate	2012-10	ug/L																
Vinyl Acetate	2013-03	ug/L	<2.00								<2.00							
Vinyl Acetate	2013-06	ug/L			<2.00													
Vinyl Acetate	2013-09	ug/L	<2.00	<2.00	<2.00						<2.00							
Vinyl Acetate	2013-11	ug/L			<2.00													
Vinyl Acetate	2014-03	ug/L	<2.00		<2.00						<2.00							
Vinyl Acetate	2014-06	ug/L		<2.00	<2.00													
Vinyl Acetate	2014-09	ug/L	<2	<2	<2						<2							
Vinyl Acetate	2014-12	ug/L																
Vinyl Acetate	2015-04	ug/L	< 10.0	< 10.0	< 10.0						< 10							
Vinyl Acetate	2015-10	ug/L	<2	<2	<2						<2					<2	<2	
Vinyl Acetate	2016-04	ug/L	<10	<10	<10						<10					<10	<10	
Vinyl Acetate	2016-10	ug/L	<10	<10	<10						<10					<10	<10	
Vinyl Acetate	2017-03	ug/L	<10	<10	<10						<10					<10	<10	
Vinyl Acetate	2017-10	ug/L	<10	<10	<10						<10					<10	<10	
Vinyl Acetate	2017-12	ug/L			<10													
Vinyl Acetate	2018-04	ug/L	<10	<10	<10						<10					<10	<10	
Vinyl Acetate	2018-07	ug/L								<10								
Vinyl Acetate	2018-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Vinyl Acetate	2019-01	ug/L								<10								
Vinyl Acetate	2019-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Vinyl Acetate	2019-05	ug/L		<10						<10								
Vinyl Acetate	2019-10	ug/L	<10	<10	<10					<10	<10					<10	<10	
Vinyl Acetate	2020-03	ug/L	<10	<10	<10					<10	<10					<10	<10	
Vinyl Acetate	2020-09	ug/L	<10	<10	<10					<10	<10					<10	<10	
Vinyl Acetate	2021-03	ug/L	<10	<10	<10			<10	<10	<10	<10					<10	<10	
Vinyl Acetate	2021-05	ug/L	<10															
Vinyl Acetate	2021-08	ug/L						<10	<10									
Vinyl Acetate	2021-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2021-12	ug/L	<10															
Vinyl Acetate	2022-02	ug/L						<10	<10									
Vinyl Acetate	2022-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2022-07	ug/L																

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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Vinyl Acetate	2022-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Vinyl Acetate	2023-04	ug/L	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Vinyl Acetate	2023-05	ug/L			<10													
Vinyl Acetate	2023-10	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10
Vinyl Acetate	2024-04	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Vinyl Acetate	2024-09	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10
Vinyl Chloride	2008-01	ug/L					<1	<1	<1.00	<1	<1	<1	<1	<1	<1			
Vinyl Chloride	2008-03	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Vinyl Chloride	2008-08	ug/L					<1	<1	<1	0.46	<1	<1	<1	<1	<1			
Vinyl Chloride	2008-09	ug/L					<1	<1	<1	0.32	<1	<1	<1	<1	<1			
Vinyl Chloride	2008-10	ug/L					<1	<1	<1	0.32	<1	<1	<1	<1	<1			
Vinyl Chloride	2009-03	ug/L					<1	<1	<1	0.7	0.26	<1	<1	<1	<1			
Vinyl Chloride	2009-06	ug/L					<5.00	<1	<1	<1.00	<1			<1.00				
Vinyl Chloride	2009-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00			
Vinyl Chloride	2009-12	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00			<1.00				
Vinyl Chloride	2010-03	ug/L					<1.00	<1.00	<2.50	<2.50	<1.00			<2.50	<1.00			
Vinyl Chloride	2010-06	ug/L										<1.00				<1.00	<1.00	<1.00
Vinyl Chloride	2010-08	ug/L										<1.00	<1.00			<1.00	<1.00	<1.00
Vinyl Chloride	2010-09	ug/L					<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2010-12	ug/L										<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2011-03	ug/L		<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2011-04	ug/L					<1.00		<1.00	<10.0	<1.00						<1.00	
Vinyl Chloride	2011-06	ug/L		<1.00									<1.00		<1.00	<1.00	<1.00	
Vinyl Chloride	2011-07	ug/L	<1.00															
Vinyl Chloride	2011-08	ug/L		<1.00														
Vinyl Chloride	2011-09	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2011-12	ug/L	<1.00	<0.100											<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2012-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2012-06	ug/L																
Vinyl Chloride	2012-10	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2013-03	ug/L	0.287	<1.00			<1.00	<1.00	<1.00	<10.0	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2013-06	ug/L																
Vinyl Chloride	2013-09	ug/L	0.701	<1.00			<1.00	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2013-11	ug/L																
Vinyl Chloride	2014-03	ug/L	<1.00	<1.00			<1.00	<1.00	<1.00	0.200	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	2014-06	ug/L																
Vinyl Chloride	2014-09	ug/L	<1	<1			<1.00	<1.00	<1.00	0.172	<1	<1	<1	0.111	<1.00	<1.00	<1.00	<1
Vinyl Chloride	2014-12	ug/L															<1.00	
Vinyl Chloride	2015-04	ug/L	0.332	<1			<1	<1.00	<1	0.229	0.223	<1.00	<1.00			<1.00	<1	<1
Vinyl Chloride	2015-10	ug/L	0.293 J	<1			<1	<1	<1	<1	0.181 J	<1	<1			<1	<1	<1
Vinyl Chloride	2016-04	ug/L	<1	<1			<1	<1	<1	<1	0.269 J	<1	<1			<1	<1	<1
Vinyl Chloride	2016-10	ug/L	<1	<1			<1	<1	<1	<1	0.114 J	<1	<1			<1	<1	<1
Vinyl Chloride	2017-03	ug/L	<1	<1			<1	<1	<1	0.153 J	0.168 J	<1	<1			<1	<1	<1
Vinyl Chloride	2017-10	ug/L	<1	<1			<1	<1	<1	<1	0.167 J	<1	<1			<1	<1	<1
Vinyl Chloride	2017-12	ug/L					<1					<1						<1
Vinyl Chloride	2018-04	ug/L	<1	<1	<1		<1	<1	<1	0.145 J	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2018-07	ug/L											<1					
Vinyl Chloride	2018-10	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2019-01	ug/L																
Vinyl Chloride	2019-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2019-05	ug/L																
Vinyl Chloride	2019-10	ug/L	<1	<1			<1	<1	<2	<1	<1	<1	<1			<2	<1	<1
Vinyl Chloride	2020-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2020-09	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2021-03	ug/L	<1	<1			<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2021-05	ug/L																
Vinyl Chloride	2021-08	ug/L																
Vinyl Chloride	2021-10	ug/L	0.235 J	<1	0.251 J		<1	<1	<1	<1	<1	<1	<1			<1	<1	<1

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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Vinyl Acetate	2022-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2023-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2023-05	ug/L																
Vinyl Acetate	2023-10	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2024-04	ug/L	<10	<10	<10			<10	<10	<10	<10							
Vinyl Acetate	2024-09	ug/L	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	2008-01	ug/L																
Vinyl Chloride	2008-03	ug/L																
Vinyl Chloride	2008-08	ug/L																
Vinyl Chloride	2008-09	ug/L																
Vinyl Chloride	2008-10	ug/L																
Vinyl Chloride	2009-03	ug/L																
Vinyl Chloride	2009-06	ug/L																
Vinyl Chloride	2009-09	ug/L																
Vinyl Chloride	2009-12	ug/L																
Vinyl Chloride	2010-03	ug/L																
Vinyl Chloride	2010-06	ug/L	<1.00	<1.00														
Vinyl Chloride	2010-08	ug/L	<1.00	<1.00														
Vinyl Chloride	2010-09	ug/L	<1.00	<1.00														
Vinyl Chloride	2010-12	ug/L	<1.00	<1.00														
Vinyl Chloride	2011-03	ug/L	<1.00	<1.00														
Vinyl Chloride	2011-04	ug/L																
Vinyl Chloride	2011-06	ug/L																
Vinyl Chloride	2011-07	ug/L																
Vinyl Chloride	2011-08	ug/L																
Vinyl Chloride	2011-09	ug/L	<1.00	<1.00														
Vinyl Chloride	2011-12	ug/L																
Vinyl Chloride	2012-03	ug/L	<1.00	<1.00														
Vinyl Chloride	2012-06	ug/L									<1.00	<1.00		<1.00		<1.00	<1.00	
Vinyl Chloride	2012-10	ug/L																
Vinyl Chloride	2013-03	ug/L	<1.00								<1.00							
Vinyl Chloride	2013-06	ug/L			<1.00													
Vinyl Chloride	2013-09	ug/L	<1.00	<1.00	<1.00						<1.00							
Vinyl Chloride	2013-11	ug/L			<1.00													
Vinyl Chloride	2014-03	ug/L	<1.00		<1.00						<1.00							
Vinyl Chloride	2014-06	ug/L		<1.00	<1.00													
Vinyl Chloride	2014-09	ug/L	<1	<1	<1						<1							
Vinyl Chloride	2014-12	ug/L																
Vinyl Chloride	2015-04	ug/L	< 1.00	< 1.00	< 1.00						< 1							
Vinyl Chloride	2015-10	ug/L	<1	<1	<1						<1					<1	<1	
Vinyl Chloride	2016-04	ug/L	<1	<1	<1						<1					<1	<1	
Vinyl Chloride	2016-10	ug/L	<1	<1	<1						<1					<1	<1	
Vinyl Chloride	2017-03	ug/L	<1	<1	<1						<1					<1	<1	
Vinyl Chloride	2017-10	ug/L	<1	<1	<1						<1	<1				<1	<1	
Vinyl Chloride	2017-12	ug/L			<1													
Vinyl Chloride	2018-04	ug/L	<1	<1	<1						<1					<1	<1	
Vinyl Chloride	2018-07	ug/L								<1								
Vinyl Chloride	2018-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Vinyl Chloride	2019-01	ug/L								<1								
Vinyl Chloride	2019-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Vinyl Chloride	2019-05	ug/L		<1						<1								
Vinyl Chloride	2019-10	ug/L	<1	<1	<1					<1	<1					<1	<1	
Vinyl Chloride	2020-03	ug/L	<1	<1	<1					<1	<1					<1	<1	
Vinyl Chloride	2020-09	ug/L	<1	<1	<1					<1	<1	<1				<1	<1	
Vinyl Chloride	2021-03	ug/L	<1	<1	<1			<1	<1	<1	<1					<1	<1	
Vinyl Chloride	2021-05	ug/L	<1															
Vinyl Chloride	2021-08	ug/L						<1	<1									
Vinyl Chloride	2021-10	ug/L	<1	<1	<1			<1	<1	<1	<1							



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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Vinyl Chloride	2021-12	ug/L																
Vinyl Chloride	2022-02	ug/L	<1		0.452 J	<1												
Vinyl Chloride	2022-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2022-07	ug/L			0.304 J	<1												
Vinyl Chloride	2022-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	0.192 J	<1				<1	<1	<1
Vinyl Chloride	2023-04	ug/L	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	2023-05	ug/L			0.345 J													
Vinyl Chloride	2023-10	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Vinyl Chloride	2024-04	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Vinyl Chloride	2024-09	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				<1	<1	<1
Xylenes, Total	2008-01	ug/L					<3	<3	<3.00	<3	<3	<3	<3	<3	<3			
Xylenes, Total	2008-03	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Xylenes, Total	2008-08	ug/L					<3	<3	<3	0.41	<3	<3	<3	<3	<3			
Xylenes, Total	2008-09	ug/L					<3	<3	<3	0.6	<3	<3	0.48	0.43	0.4			
Xylenes, Total	2008-10	ug/L					<3	<3	<3	0.53	<3	<3	<3	<3	<3			
Xylenes, Total	2009-03	ug/L					<3	<3	<3	0.75	<3	<3	<3	<3	<3			
Xylenes, Total	2009-06	ug/L					<15.0	<3	<3	<3.00	<3			<3.00				
Xylenes, Total	2009-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00			
Xylenes, Total	2009-12	ug/L					<7.00	<7.00	<7.00	<4.00	<4.00			<4.00				
Xylenes, Total	2010-03	ug/L					<3.00	<3.00	<7.50	<7.50	<3.00	<3.00	<3.00	<7.50	<3.00			
Xylenes, Total	2010-06	ug/L										<3.00				<3.00	<3.00	<3.00
Xylenes, Total	2010-08	ug/L										<3.00	<3.00			<3.00	<3.00	<3.00
Xylenes, Total	2010-09	ug/L					<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2010-12	ug/L										<3.00				<3.00	<3.00	<3.00
Xylenes, Total	2011-03	ug/L		<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2011-04	ug/L					<3.00		<3.00	<3.00							<3.00	
Xylenes, Total	2011-06	ug/L		<3.00									<3.00		<3.00	<3.00	<3.00	
Xylenes, Total	2011-07	ug/L	<3.00															
Xylenes, Total	2011-08	ug/L		<3.00														
Xylenes, Total	2011-09	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2011-12	ug/L	<3.00	<3.00											<3.00	<3.00	<3.00	
Xylenes, Total	2012-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2012-06	ug/L																
Xylenes, Total	2012-10	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2013-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2013-06	ug/L																
Xylenes, Total	2013-09	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00		<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2013-11	ug/L																
Xylenes, Total	2014-03	ug/L	<3.00	<3.00			<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	2014-06	ug/L																
Xylenes, Total	2014-09	ug/L	<3	<3			<3.00	<3.00	<3.00	0.424	<3	<3	<3	<3.00	<3.00	<3.00	<3.00	<3
Xylenes, Total	2014-12	ug/L															<3.00	
Xylenes, Total	2015-04	ug/L	<3.00	<3			<3	<3.00	<3	0.415 Je	<3.00	<3.00	<3.00			<3.00	<3.00	<3
Xylenes, Total	2015-10	ug/L	<3	<3			<3	<3.00	<3	<3.00	<3	<3	<3			<3	<3.00	<3
Xylenes, Total	2016-04	ug/L	<3	<3			<3	<3.00	<3	0.144 Je	<3	<3	<3			<3	<3.00	<3
Xylenes, Total	2016-10	ug/L	<3	<3			<3	<3.00	<3	<3.00	<3	<3	<3			<3	<3.00	<3
Xylenes, Total	2017-03	ug/L	<3	<3			0.951 J	0.573 J	<3	0.687 Je	<3	2.69 Je	3.89 e			0.392 J	0.806 Je	1.35 Je
Xylenes, Total	2017-06	ug/L											<3					
Xylenes, Total	2017-10	ug/L	<3	<3			0.704 J	1.62 Je	0.488 J	0.724 Je	0.628 J	0.44 Je				1.14 Je	1.29 Je	0.602 Je
Xylenes, Total	2017-12	ug/L					<3											<3
Xylenes, Total	2018-04	ug/L	<3	<3	<3		<3	0.522 J	<3	0.205 J	<3	<3	0.312 J			<3	0.395 J	<3
Xylenes, Total	2018-07	ug/L											<3					
Xylenes, Total	2018-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3
Xylenes, Total	2019-01	ug/L																
Xylenes, Total	2019-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3
Xylenes, Total	2019-05	ug/L																
Xylenes, Total	2019-10	ug/L	<3	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3
Xylenes, Total	2020-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3				<3	<3	<3

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Vinyl Chloride	2021-12	ug/L	0.214 Je															
Vinyl Chloride	2022-02	ug/L						<1	<1									
Vinyl Chloride	2022-04	ug/L	0.398 Je	<1	<1			<1	<1	<1	<1							
Vinyl Chloride	2022-07	ug/L																
Vinyl Chloride	2022-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Vinyl Chloride	2023-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Vinyl Chloride	2023-05	ug/L																
Vinyl Chloride	2023-10	ug/L	<1	<1	<1			<1	<1	<1	<1							
Vinyl Chloride	2024-04	ug/L	<1	<1	<1			<1	<1	<1	<1							
Vinyl Chloride	2024-09	ug/L	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, Total	2008-01	ug/L																
Xylenes, Total	2008-03	ug/L																
Xylenes, Total	2008-08	ug/L																
Xylenes, Total	2008-09	ug/L																
Xylenes, Total	2008-10	ug/L																
Xylenes, Total	2009-03	ug/L																
Xylenes, Total	2009-06	ug/L																
Xylenes, Total	2009-09	ug/L																
Xylenes, Total	2009-12	ug/L																
Xylenes, Total	2010-03	ug/L																
Xylenes, Total	2010-06	ug/L	<3.00	<3.00														
Xylenes, Total	2010-08	ug/L	<3.00	<3.00														
Xylenes, Total	2010-09	ug/L	<3.00	<3.00														
Xylenes, Total	2010-12	ug/L	<3.00	<3.00														
Xylenes, Total	2011-03	ug/L	<3.00	<3.00														
Xylenes, Total	2011-04	ug/L																
Xylenes, Total	2011-06	ug/L																
Xylenes, Total	2011-07	ug/L																
Xylenes, Total	2011-08	ug/L																
Xylenes, Total	2011-09	ug/L	<3.00	<3.00														
Xylenes, Total	2011-12	ug/L																
Xylenes, Total	2012-03	ug/L	<3.00	<3.00														
Xylenes, Total	2012-06	ug/L									<3.00	<3.00		<3.00		<3.00	<3.00	
Xylenes, Total	2012-10	ug/L																
Xylenes, Total	2013-03	ug/L	<3.00								<3.00							
Xylenes, Total	2013-06	ug/L			<3.00													
Xylenes, Total	2013-09	ug/L	<3.00	<3.00	<3.00						<3.00							
Xylenes, Total	2013-11	ug/L			<3.00													
Xylenes, Total	2014-03	ug/L	<3.00		<3.00						<3.00							
Xylenes, Total	2014-06	ug/L		<3.00	<3.00													
Xylenes, Total	2014-09	ug/L	<3	<3	<3						<3							
Xylenes, Total	2014-12	ug/L																
Xylenes, Total	2015-04	ug/L	<3.0	<3.00	<3.00						<3.0							
Xylenes, Total	2015-10	ug/L	<3	<3	<3						<3					<3	<3	
Xylenes, Total	2016-04	ug/L	<3	<3	<3						<3					<3	<3	
Xylenes, Total	2016-10	ug/L	<3		<3											<3	<3	
Xylenes, Total	2017-03	ug/L	4.88 e	2.37 Je	1.05 Je						0.519 J					<3	<3	
Xylenes, Total	2017-06	ug/L	<3															
Xylenes, Total	2017-10	ug/L	0.29 J	0.292 J	<3						0.42 J					0.76 J	0.978 J	
Xylenes, Total	2017-12	ug/L			<3													
Xylenes, Total	2018-04	ug/L	<3	0.427 J	<3						<3					<3	<3	
Xylenes, Total	2018-07	ug/L								<3								
Xylenes, Total	2018-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Xylenes, Total	2019-01	ug/L								<3								
Xylenes, Total	2019-03	ug/L	<3	<3	<3					<3	<3					<3	<3	
Xylenes, Total	2019-05	ug/L		<3						<3								
Xylenes, Total	2019-10	ug/L	<3	<3	<3					<3	<3					<3	<3	
Xylenes, Total	2020-03	ug/L	<3	<3	<3					<3	<3					<3	<3	

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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	GU-1	GU-L	GU-O	GU-P	MW-15	MW-18	MW-19	MW-20	MW-22	MW-24	MW-26A	MW-29	MW-30	MW-300	MW-301	MW-302R
			(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(DwnGrad)	(Delin)	(Delin)	(DwnGrad)	(DwnGrad)
Xylenes, Total	2020-09	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2021-03	ug/L	<3	<3			<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2021-05	ug/L																
Xylenes, Total	2021-08	ug/L																
Xylenes, Total	2021-10	ug/L	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2021-12	ug/L																
Xylenes, Total	2022-02	ug/L	<3		<3	<3												
Xylenes, Total	2022-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2022-07	ug/L			<3	<3												
Xylenes, Total	2022-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2023-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2023-05	ug/L			<3													
Xylenes, Total	2023-10	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2024-04	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	2024-09	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3
Zinc	2008-01	mg/L					<0.02	<0.02	<0.0200	<0.1	<0.02	<b>0.0435</b>	<0.02	<b>0.0615</b>	<0.02			
Zinc	2008-03	mg/L					<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<b>0.0204</b>	<0.0200	<0.0200	<0.0200			
Zinc	2008-08	mg/L					<b>0.134</b>	<b>0.185</b>	<b>0.118</b>	<0.1	<b>0.164</b>	<b>0.155</b>	<b>0.0355</b>	<b>0.107</b>	<b>0.122</b>			
Zinc	2008-09	mg/L					<b>0.0348</b>	<b>0.0479</b>	<b>0.0288</b>	<0.1	<b>0.0396</b>	<b>0.0582</b>	<0.02	<b>0.0233</b>	<0.02			
Zinc	2008-10	mg/L					<b>0.0315</b>	<b>0.0385</b>	<b>0.0251</b>	<0.1	<b>0.0322</b>	<b>0.0558</b>	<0.02	<0.02	<0.02			
Zinc	2009-03	mg/L					<b>0.0753</b>	<b>0.0514</b>	<b>0.0571</b>	<0.1	<b>0.0716</b>	<b>0.064</b>	<b>0.0202</b>	<b>0.0311</b>	<b>0.0415</b>			
Zinc	2009-06	mg/L					<b>0.0912</b>	<b>0.0628</b>	<b>0.0763</b>	<0.100	<b>0.0848</b>			<b>0.0424</b>				
Zinc	2009-09	mg/L					<b>0.0920</b>	<b>0.106</b>	<b>0.0871</b>	<0.0600	<b>0.0993</b>	<b>0.0820</b>	<b>0.0761</b>	<b>0.0536</b>	<b>0.0616</b>			
Zinc	2009-12	mg/L					<b>0.132</b>	<b>0.120</b>	<b>0.117</b>	<0.0600	<b>0.126</b>			<b>0.0802</b>				
Zinc	2010-03	mg/L					<b>0.0761</b>	<b>0.105</b>	<b>0.104</b>	<0.100	<b>0.133</b>	<b>0.129</b>	<b>0.100</b>	<b>0.0580</b>	<b>0.0554</b>			
Zinc	2010-06	mg/L										<b>0.0365</b>				<0.0200	<b>0.0303</b>	<b>0.0215</b>
Zinc	2010-08	mg/L										<b>0.0369</b>	<b>0.0322</b>			<0.0200	<b>0.0257</b>	<b>0.0230</b>
Zinc	2010-09	mg/L					<0.0200	<b>0.0276</b>	<b>0.0276</b>	<0.160	<b>0.0319</b>	<b>0.0330</b>	<b>0.0350</b>	<0.0200	<0.0200	<0.0200	<b>0.0315</b>	<b>0.0246</b>
Zinc	2010-12	mg/L										<b>0.0497</b>				<0.0200	<b>0.0237</b>	<b>0.0443</b>
Zinc	2011-03	mg/L		<b>0.0261</b>			<b>0.0283</b>	<b>0.0377</b>	<b>0.0262</b>	<0.0600	<b>0.0472</b>	<b>0.0491</b>	<b>0.0481</b>	<0.0200	<0.0200	<0.0200	<b>0.0280</b>	<b>0.0908</b>
Zinc	2011-06	mg/L		<0.0200										<0.0200	<0.0200	<0.0200	<0.0200	
Zinc	2011-07	mg/L	<0.0200															
Zinc	2011-08	mg/L		<0.0200														
Zinc	2011-09	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.100	<0.0200	<0.0200		<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Zinc	2011-12	mg/L	<0.0200	<0.0200											<0.0200	<0.0200	<0.0200	
Zinc	2012-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Zinc	2012-04	mg/L																
Zinc	2012-06	mg/L																
Zinc	2012-10	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0600	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Zinc	2013-03	mg/L	<b>0.0530</b>	<b>0.0421</b>			<b>0.0613</b>	<b>0.0606</b>	<b>0.0735</b>	<b>0.0303</b>	<b>0.0479</b>	<b>0.0493</b>		<b>0.0489</b>	<b>0.0317</b>	<b>0.0504</b>	<b>0.0432</b>	<b>0.108</b>
Zinc	2013-06	mg/L																
Zinc	2013-09	mg/L	<b>0.158</b>	<b>0.0373</b>			<b>0.0658</b>	<b>0.0559</b>	<b>0.0704</b>	<b>0.0477</b>	<b>0.0708</b>	<b>0.212</b>		<b>0.0715</b>	<b>0.151</b>	<b>0.146</b>	<b>0.171</b>	<b>0.220</b>
Zinc	2013-11	mg/L																
Zinc	2014-03	mg/L	<0.0200	<0.0200			<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Zinc	2014-06	mg/L																
Zinc	2014-09	mg/L	<0.01	<b>0.00764</b>			<0.0100	<b>0.00823</b>	<0.0100	<0.0100	<0.01	<0.01	<0.01	<0.0100	<0.0100	<b>0.0119</b>	<0.0100	<b>0.0155</b>
Zinc	2014-12	mg/L															<0.0100	
Zinc	2015-04	mg/L	<0.0100	<0.01			<0.01	<b>0.0147</b>	<0.01	<0.01	<0.01	<0.01	<0.0100			<b>0.00736 J</b>	<0.01	<b>0.0174</b>
Zinc	2015-10	mg/L	<b>0.00837 J</b>	<0.02			<0.02	<b>0.0142</b>	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2016-04	mg/L	<0.01	<0.01			<0.01	<b>0.00641 J</b>	<0.01	<0.01	<b>0.0172</b>	<0.01	<0.01			<0.01	<0.01	<0.01
Zinc	2016-10	mg/L	<0.01	<0.01			<b>0.0137</b>	<b>0.0197</b>	<b>0.0364</b>	<b>0.00646 J</b>	<b>0.407</b>	<b>0.00796 J</b>	<0.01			<b>0.00562 J</b>	<b>0.278</b>	<b>0.0066 J</b>
Zinc	2017-03	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
Zinc	2017-10	mg/L	<b>0.0161 J</b>	<0.02			<0.02	<b>0.0939</b>	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2017-12	mg/L					<0.02					<0.02						<0.02
Zinc	2018-04	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	<b>0.013 J</b>
Zinc	2018-07	mg/L											<0.02					
Zinc	2018-10	mg/L	<0.02	<0.02			<0.02	<0.02	<0.02	<b>0.0781</b>	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2019-01	mg/L																

Cedar Rapids Linn County Solid Waste Agency Site 2  
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Table 19  
Analytical Data Summary  
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Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Xylenes, Total	2020-09	ug/L	<3	<3	<3					<3	<3					<3	<3	
Xylenes, Total	2021-03	ug/L	<3	<3	<3			<3	<3	<3	<3					<3	<3	
Xylenes, Total	2021-05	ug/L	<b>0.436 J</b>															
Xylenes, Total	2021-08	ug/L						<3	<3									
Xylenes, Total	2021-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2021-12	ug/L	<3															
Xylenes, Total	2022-02	ug/L						<3	<3									
Xylenes, Total	2022-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2022-07	ug/L																
Xylenes, Total	2022-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2023-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2023-05	ug/L																
Xylenes, Total	2023-10	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2024-04	ug/L	<3	<3	<3			<3	<3	<3	<3							
Xylenes, Total	2024-09	ug/L	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Zinc	2008-01	mg/L																
Zinc	2008-03	mg/L																
Zinc	2008-08	mg/L																
Zinc	2008-09	mg/L																
Zinc	2008-10	mg/L																
Zinc	2009-03	mg/L																
Zinc	2009-06	mg/L																
Zinc	2009-09	mg/L																
Zinc	2009-12	mg/L																
Zinc	2010-03	mg/L																
Zinc	2010-06	mg/L	<0.0200	<0.0200														
Zinc	2010-08	mg/L	<0.0200	<0.0200														
Zinc	2010-09	mg/L	<0.0200	<0.0200														
Zinc	2010-12	mg/L	<0.0200	<0.0200														
Zinc	2011-03	mg/L	<0.0200	<0.0200														
Zinc	2011-06	mg/L																
Zinc	2011-07	mg/L																
Zinc	2011-08	mg/L																
Zinc	2011-09	mg/L	<0.0200	<0.0200														
Zinc	2011-12	mg/L																
Zinc	2012-03	mg/L	<0.0200	<0.0200														
Zinc	2012-04	mg/L									<b>1.36</b>	<0.0200		<0.0200		<b>0.188</b>	<b>0.136</b>	
Zinc	2012-06	mg/L									<b>0.678</b>	<0.0200		<0.0200		<b>0.0694</b>	<b>0.0776</b>	
Zinc	2012-10	mg/L									<0.0200			<0.0200		<0.0200	<0.0200	
Zinc	2013-03	mg/L	<b>0.0144</b>								<b>0.468</b>					<b>0.137</b>	<b>0.00511</b>	
Zinc	2013-06	mg/L			<b>0.00780</b>													
Zinc	2013-09	mg/L	<b>0.0859</b>	<b>0.120</b>	<b>0.0757</b>						<b>0.426</b>					<b>0.259</b>	<b>0.0342</b>	
Zinc	2013-11	mg/L			<0.0555													
Zinc	2014-03	mg/L	<0.0200		<0.0200						<b>0.0547</b>					<b>0.0436</b>	<0.0200	
Zinc	2014-06	mg/L		<0.0200	<0.0200													
Zinc	2014-09	mg/L	<0.01	<0.01	<b>0.00954</b>						<b>0.0182</b>					<b>0.0124</b>	<b>0.0097</b>	
Zinc	2014-12	mg/L																
Zinc	2015-04	mg/L	<0.0100	<0.0100	<b>0.00705 e</b>						<0.01 e					<0.0100	<0.0100	
Zinc	2015-10	mg/L	<0.02	<b>0.0101 e</b>	<0.02 e						<0.02 e					<0.02	<0.02	
Zinc	2016-04	mg/L	<0.01	<0.01 e	<0.01 e						<0.01					<b>0.008 J</b>	<0.01	
Zinc	2016-10	mg/L	<b>0.00804 J</b>	<b>0.00627 J</b>	<0.01 e						<0.01					<0.01	<0.01	
Zinc	2017-03	mg/L	<0.02	<0.02	<0.02						<0.02					<0.02	<0.02	
Zinc	2017-10	mg/L	<0.02	<0.02	<0.02						<0.02					<0.02	<0.02	
Zinc	2017-12	mg/L			<0.02													
Zinc	2018-04	mg/L	<0.02	<0.02	<0.02						<0.02					<0.02	<0.02	
Zinc	2018-07	mg/L								<0.02						<0.02	<0.02	
Zinc	2018-10	mg/L	<0.02	<0.02	<0.02					<0.02	<b>0.0122 J</b>					<0.02	<0.02	
Zinc	2019-01	mg/L								<0.02								

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
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Constituent	Date	Units	GU-1 (DwnGrad)	GU-L (DwnGrad)	GU-O (DwnGrad)	GU-P (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-20 (DwnGrad)	MW-22 (DwnGrad)	MW-24 (DwnGrad)	MW-26A (DwnGrad)	MW-29 (Delin)	MW-30 (Delin)	MW-300 (DwnGrad)	MW-301 (DwnGrad)	MW-302R (DwnGrad)
Zinc	2019-03	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
Zinc	2019-05	mg/L																
Zinc	2019-10	mg/L	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<b>0.0138 J</b>
Zinc	2020-03	mg/L	<b>0.0145 J</b>	<b>0.0163 J</b>			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2020-09	mg/L	<0.02	<0.02			<0.02	<0.02	<0.02	<b>0.0325 e</b>	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2020-11	mg/L	<b>0.019 J</b>															
Zinc	2020-12	mg/L	<0.02															
Zinc	2021-03	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
Zinc	2021-05	mg/L																
Zinc	2021-08	mg/L																
Zinc	2021-10	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
Zinc	2021-12	mg/L																
Zinc	2022-02	mg/L	<b>0.02</b>		<0.02	<0.02												
Zinc	2022-04	mg/L	<b>0.0183 J</b>	<b>0.0161 J</b>	<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	2022-07	mg/L			<0.02	<0.02												
Zinc	2022-10	mg/L	<0.02	<b>0.0426 e</b>	<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	2022-12	mg/L		<0.02														
Zinc	2023-04	mg/L	<b>0.0113 J</b>	<0.02		<0.02	<del>&lt;0.02 e</del>	<0.02	<del>&lt;0.02 e</del>	<0.02	<del>&lt;0.02 e</del>	<0.02	<0.02			<0.02	<0.02	<0.02
Zinc	2023-05	mg/L			<0.02													
Zinc	2023-10	mg/L	<del>0.115 e</del>	<b>0.00868 J</b>	<0.02	<0.02	<b>0.0126 J</b>	<b>0.0108 J</b>	<b>0.0101 J</b>	<0.02	<0.02	<b>0.00697 J</b>				<b>0.00672 J</b>	<0.02	<b>0.00959 J</b>
Zinc	2023-12	mg/L	<0.02															
Zinc	2024-04	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
Zinc	2024-05	mg/L																
Zinc	2024-09	mg/L	<b>0.0116 J</b>	< 0.02	<b>0.0267</b>	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02

Cedar Rapids Linn County Solid Waste Agency Site 2  
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**Table 19**  
**Analytical Data Summary**  
**2024 Annual Water Quality Report**

Constituent	Date	Units	MW-303 (DwnGrad)	MW-304R (DwnGrad)	MW-305 (DwnGrad)	MW-306 (Delin)	MW-307A (Delin)	MW-501 (DwnGrad)	MW-502 (DwnGrad)	MW-9AR (Bkgrnd)	MW-201B (Bkgrnd)	MW-204A (WL)	MW-204B (WL)	MW-213A (WL)	MW-213B (WL)	MW-214 (WL)	MW-215 (WL)	MW-218 (WL)
Zinc	2019-03	mg/L	<0.02	<0.02	<0.02					<0.02	<0.02					<0.02	<0.02	
Zinc	2019-05	mg/L		<0.02 e						<b>0.02</b>								
Zinc	2019-10	mg/L	<0.02	<0.02	<0.02					<0.02	<b>0.019 J e</b>					<0.02	<b>0.018 J</b>	
Zinc	2020-03	mg/L	<0.02	<0.02	<0.02					<0.02	<0.02					<0.02	<0.02	
Zinc	2020-09	mg/L	<0.02	<0.02	<0.02					<0.02	<0.02					<0.02	<0.02	
Zinc	2020-11	mg/L																
Zinc	2020-12	mg/L																
Zinc	2021-03	mg/L	<0.02	<0.02	<0.02			<0.02	<b>0.0194 J</b>	<0.02	<0.02					<0.02	<0.02	
Zinc	2021-05	mg/L	<0.02															
Zinc	2021-08	mg/L						<0.02	<0.02									
Zinc	2021-10	mg/L	<0.02	<0.02	<0.02			<0.02	<b>0.0188 J</b>	<0.02	<b>0.0273 e</b>							
Zinc	2021-12	mg/L	<0.02															
Zinc	2022-02	mg/L						<0.02	<0.02									
Zinc	2022-04	mg/L	<0.14	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02							
Zinc	2022-07	mg/L																
Zinc	2022-10	mg/L	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	<b>0.0153 J</b>							
Zinc	2022-12	mg/L																
Zinc	2023-04	mg/L	<0.02	<0.02	<0.02			<b>0.00864 J</b>	<0.02	<0.02	<b>0.0102 J</b>							
Zinc	2023-05	mg/L																
Zinc	2023-10	mg/L	<0.02	<0.02	<0.02			<b>0.00964 J</b>	<0.02	<0.02	<b>0.011 J</b>							
Zinc	2023-12	mg/L																
Zinc	2024-04	mg/L	<0.02	<0.02	<0.02			<b>0.127</b>	<0.02	<0.02	<0.02	<0.02	<b>0.0101 J</b>	<0.02	<0.02			<0.02
Zinc	2024-05	mg/L						<b>0.0702</b>										
Zinc	2024-09	mg/L	< 0.02	< 0.02	< 0.02			<b>0.0255</b>	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

## Figures



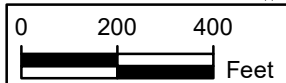


**LEGEND**

- Background Well
- Groundwater Underdrain
- HMSF Monitoring Well
- Potential Background Well
- Water Level Only
- Property Boundary
- Cell Boundary

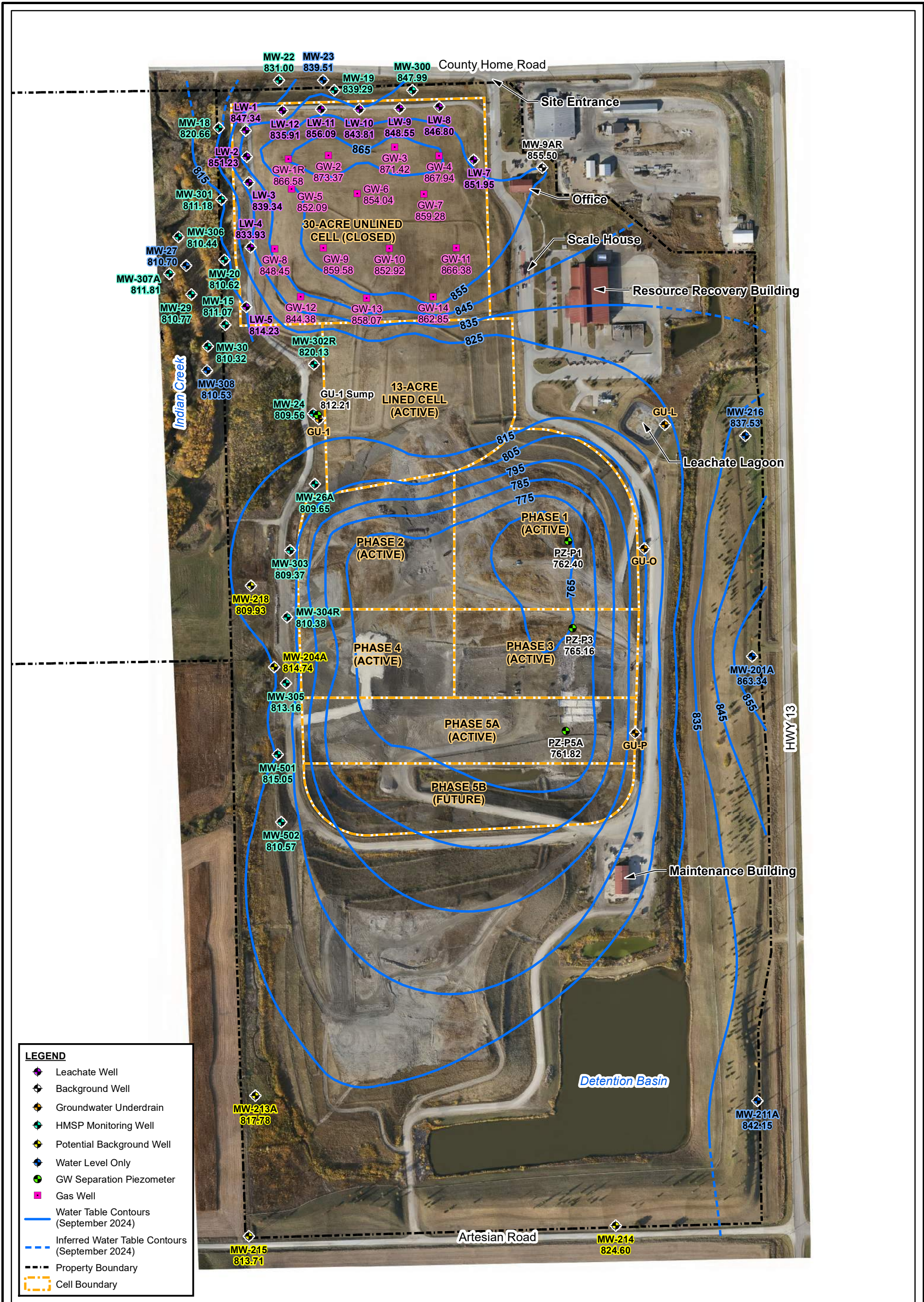
**NOTES:**  
 1. Coordinate System: NAD 1983 State Plane Iowa North  
 2. Aerial imagery was flown by Foth in November 2024.

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.



Cedar Rapids Linn County Solid Waste Agency		
<b>FIGURE 1</b>		
GROUNDWATER MONITORING NETWORK SITE 2		
Date: FEBRUARY 2025	Revision Date:	
Drawn By: DAT	Checked By: HED	Project: 24C034.00



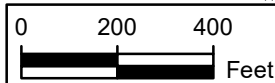


**LEGEND**

- Leachate Well
- Background Well
- Groundwater Underdrain
- HMSM Monitoring Well
- Potential Background Well
- Water Level Only
- GW Separation Piezometer
- Gas Well
- Water Table Contours (September 2024)
- Inferred Water Table Contours (September 2024)
- Property Boundary
- Cell Boundary

- NOTES:**
- Coordinate System: NAD 1983 State Plane Iowa North
  - Aerial imagery was flown by Foth in November 2024.
  - Leachate levels in the gas and leachate wells in the 30-Acre Unlined Cell are included in the groundwater contours.
  - To account for the influence of the groundwater underdrains for the 13-Acre Cell and Phases 1-5A, as-built elevations for the bottom of the clay liner (top of groundwater underdrain collection system) were included prior to contouring in Surfer.
  - For the groundwater cutoff trench/drainage way along the eastern portion of the site that discharges into the Detection Basin, as-built elevations from the base of the drainage way were included prior to contouring in Surfer.

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.



Cedar Rapids Linn County Solid Waste Agency		
<b>FIGURE 2</b>		
WATER TABLE CONTOUR MAP (SEPTEMBER 2024) SITE 2		
Date: FEBRUARY 2025	Revision Date:	
Drawn By: DAT	Checked By: HED	Project: 24C034.00





**LEGEND**

- Leachate Head Transducer
- Type**
- Leachate Extraction Well
- Vertical Gas Well
- Property Boundary
- Cell Boundary

**NOTES:**

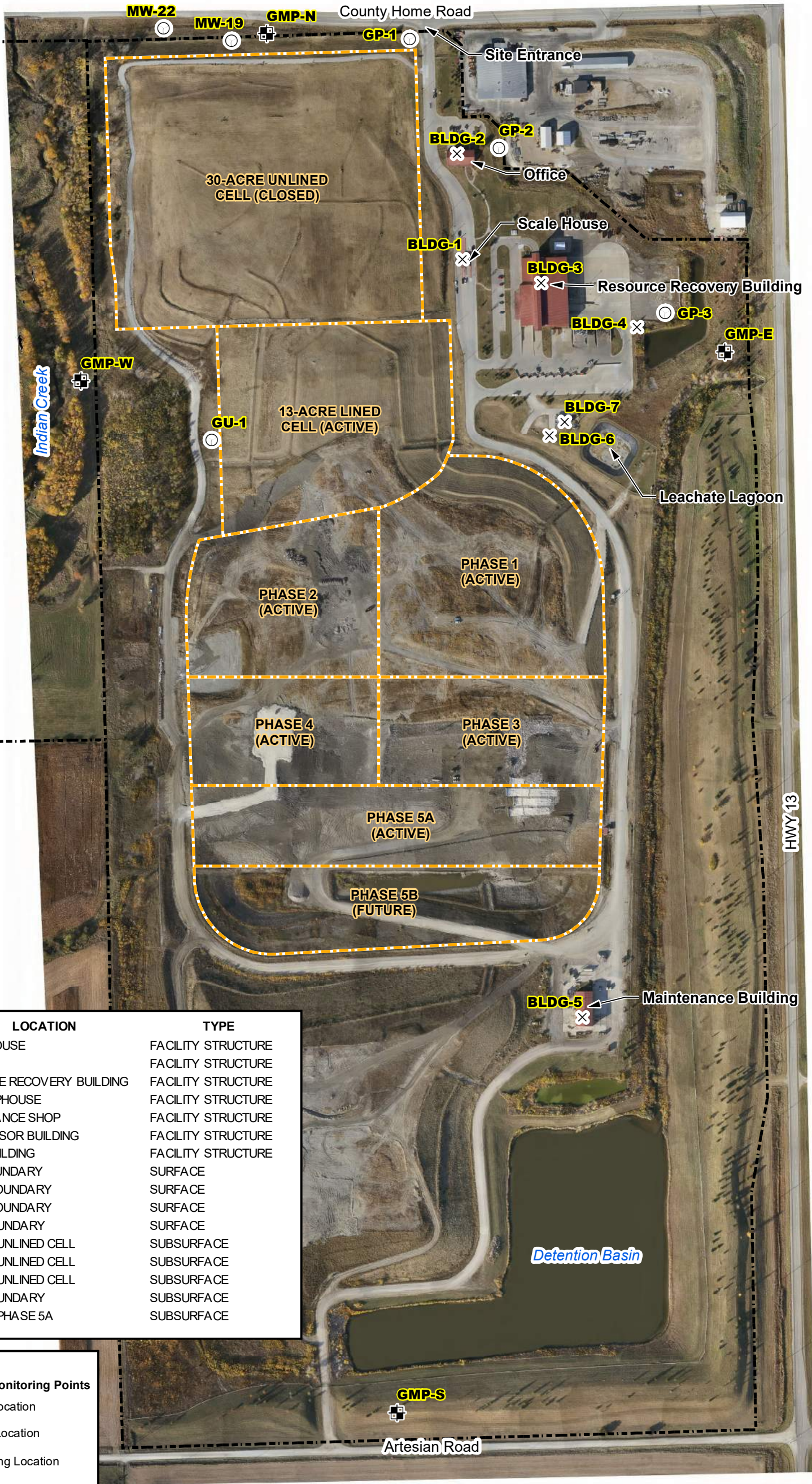
1. Coordinate System: NAD 1983 State Plane Iowa North
2. Aerial imagery was flown by Foth in November 2024.
3. Leachate levels are measured in gas wells for source control monitoring for Assessment of Corrective Measures.

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

0 200 400 Feet

Cedar Rapids Linn County Solid Waste Agency		
<b>FIGURE 3</b>		
LEACHATE MONITORING LOCATIONS SITE 2		
Date: FEBRUARY 2025	Revision Date:	
Drawn By: DAT	Checked By: HED	Project: 24C034.00





LOCATION ID	LOCATION	TYPE
BLDG-1	SCALE HOUSE	FACILITY STRUCTURE
BLDG-2	OFFICE	FACILITY STRUCTURE
BLDG-3	RESOURCE RECOVERY BUILDING	FACILITY STRUCTURE
BLDG-4	FIRE PUMPHOUSE	FACILITY STRUCTURE
BLDG-5	MAINTENANCE SHOP	FACILITY STRUCTURE
BLDG-6	COMPRESSOR BUILDING	FACILITY STRUCTURE
BLDG-7	LFGTE BUILDING	FACILITY STRUCTURE
GMP-E	EAST BOUNDARY	SURFACE
GMP-N	NORTH BOUNDARY	SURFACE
GMP-S	SOUTH BOUNDARY	SURFACE
GMP-W	WEST BOUNDARY	SURFACE
GP-1	EAST OF UNLINED CELL	SUBSURFACE
GP-2	EAST OF UNLINED CELL	SUBSURFACE
GP-3	EAST OF UNLINED CELL	SUBSURFACE
GU-1	WEST BOUNDARY	SUBSURFACE
MW-19	EAST OF PHASE 5A	SUBSURFACE

LEGEND	
<b>Methane Gas Migration Monitoring Points</b>	
×	Facility Monitoring Location
⊕	Surface Monitoring Location
○	Subsurface Monitoring Location
- - -	Property Boundary
- · - · -	Cell Boundary

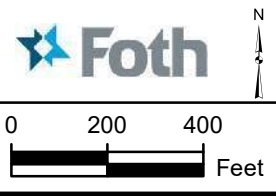
**NOTES:**  
 1. Coordinate System: NAD 1983 State Plane Iowa North  
 2. Aerial imagery was flown by Foth in November 2024.

Cedar Rapids Linn County Solid Waste Agency

**FIGURE 4**  
 METHANE MONITORING NETWORK  
 SITE 2

Date: FEBRUARY 2025      Revision Date:

Drawn By: DAT      Checked By: HED      Project: 24C034.00



This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.



**Appendix A**  
**Reporting Period Monitoring Documentation**  
**September 2024**

IDNR Forms  
Laboratory Analytical Reports (with Chain of Custody)  
Data Validation Reports  
Data Validation Standard Operating Procedure

**\*\*Note that the April and May 2024 monitoring documentation was submitted with the *2024 Spring Statistical Report* (HDR, 2024c) – Doc. No. 110633**

## **September 2024 Sampling Event**

## Groundwater Sampling Field Sheet

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: GU-1 Weather: Clear, 89°F, SSE wind @ 15 mph, 28.93" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

### Location Details

Description of Sample Location: GU-1 is the underdrain discharge point for the 13-Acre Cell. The underdrain system beneath the 13-Acre Cell gravity drains to a manhole located west of the cell. GU-1 is sampled using a peristaltic pump at the underdrain manhole.

Conditions commentary: \_\_\_\_\_  
 \_\_\_\_\_

### Sampling Details

Sampling Method: \_\_\_\_\_ Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 \_\_\_\_\_ Bailer \_\_\_\_\_ X Other (specify): Grab with Peristaltic Pump

Equipment type: \_\_\_\_\_ Submersible pump \_\_\_\_\_ X Peristaltic pump \_\_\_\_\_ Bladder pump  
 \_\_\_\_\_ Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 \_\_\_\_\_ Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL:): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered?
GU-1_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

### Field Analysis

	Final Reading
Time	13:13
Temp (°C)	23.29
Sp. Cond (umhos/cm)	2771.5
pH	7.12
DO (mg/l)	2.32
ORP (mV)	92.7
Turbidity (NTU)	25.12

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Groundwater Sampling Field Sheet

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: GU-L Weather: Clear, 86°F, S wind @ 10 mph, 28.9" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

### Location Details

Description of Sample Location: GU-L is the underdrain discharge point for the leachate lagoon. GU-L is sampled with a peristaltic pump from the riser located on the east side of the lagoon.

Conditions commentary: \_\_\_\_\_

### Sampling Details

Sampling Method: \_\_\_\_\_ Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 \_\_\_\_\_ Bailer \_\_\_\_\_ X Other (specify): Grab with Peristaltic Pump

Equipment type: \_\_\_\_\_ Submersible pump \_\_\_\_\_ X Peristaltic pump \_\_\_\_\_ Bladder pump  
 \_\_\_\_\_ Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 \_\_\_\_\_ Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL:): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered?
GU-L_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

### Field Analysis

	Final Reading
Time	13:33
Temp (°C)	25.37
Sp. Cond (umhos/cm)	526.79
pH	7.19
DO (mg/l)	6.95
ORP (mV)	62.8
Turbidity (NTU)	1.85

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Groundwater Sampling Field Sheet

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: GU-O Weather: Clear, 86°F, S wind @ 10 mph, 28.9" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

### Location Details

Description of Sample Location: GU-O is the underdrain discharge point for a portion of Phase 1; located on the east side of Phase 1. GU-O is sampled using the dedicated lift station's discharge pump.

Conditions commentary: \_\_\_\_\_

### Sampling Details

Sampling Method: \_\_\_\_\_ Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 \_\_\_\_\_ Bailer \_\_\_\_\_ X Other (specify): Underdrain Pump

Equipment type: \_\_\_\_\_ Submersible pump \_\_\_\_\_ Peristaltic pump \_\_\_\_\_ Bladder pump  
 \_\_\_\_\_ Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 \_\_\_\_\_ X Other (specify): Dedicated submersible pump in the underdrain manhole

Equipment name/description: Submersible Pump Dedicated? (Y/N): Yes Disposable? (Y/N): N/A  
 Decontamination method: Not Applicable

Equipment depth (ft. MSL:): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered?
GU-O_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

### Field Analysis

	Final Reading
Time	13:57
Temp (°C)	23.84
Sp. Cond (umhos/cm)	1618.4
pH	7.46
DO (mg/l)	1.84
ORP (mV)	-51.1
Turbidity (NTU)	1.34

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## Groundwater Sampling Field Sheet

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: GU-P Weather: Clear, 86°F, S wind @ 10 mph, 28.9" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

### Location Details

Description of Sample Location: GU-P is the underdrain discharge point for Phases 1-5A; located on the east side of Phase 5A. GU-P is sampled using the dedicated lift station's discharge pump.

Conditions commentary: \_\_\_\_\_

### Sampling Details

Sampling Method: \_\_\_\_\_ Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 \_\_\_\_\_ Bailer \_\_\_\_\_ X Other (specify): Underdrain Pump

Equipment type: \_\_\_\_\_ Submersible pump \_\_\_\_\_ Peristaltic pump \_\_\_\_\_ Bladder pump  
 \_\_\_\_\_ Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 \_\_\_\_\_ X Other (specify): Dedicated submersible pump in the underdrain manhole

Equipment name/description: Submersible Pump Dedicated? (Y/N): Yes Disposable? (Y/N): N/A  
 Decontamination method: Not Applicable

Equipment depth (ft. MSL:): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered?
GU-P_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

### Field Analysis

	Final Reading
Time	14:08
Temp (°C)	19.21
Sp. Cond (umhos/cm)	966.95
pH	7.87
DO (mg/l)	5.70
ORP (mV)	-44.2
Turbidity (NTU)	1.48

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-9AR Weather: Sunny, 86°F, SSE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.5 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 860.61  
 Top of screen (ft. MSL): 851.60 Materials: PVC Top of Casing elevation (ft. MSL): 863.70  
 Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	8.20	8.26	8.53
Water elevation (ft. MSL):	855.50	855.44	855.17

3 Well Volumes (gal): 6.79 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	22.09	22.09	0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 846.70 Flow Rate (mL/min): 200 Volume removed (gal): 1.4 Volume sampled (L): 4.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-9AR_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8081B - beta-BHC; gamma-BHC; Heptachlor	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4-D; 2,4,5-TP	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - Zn Acetate & NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Cedar Rapids Linn County Solid

Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
Well/Piezometer: MW-9AR Weather: Sunny, 86°F, SSE wind @ 5-10 mph, 30.1" Hg  
Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Field Analysis**

			Final Reading
Time	13:51	13:53	13:55
Temp (°C)	20.86	20.78	20.21
Sp. Cond (umhos/cm)	7104.2	7064.9	7031.6
pH	6.66	6.67	6.68
DO (mg/l)	0.44	0.42	0.39
ORP (mV)	-23.7	-24.7	-26.5
Turbidity (NTU)	8.23	8.21	8.25

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-15 Weather: Sunny, 69°F, SSE wind @ 0-5 mph, 30.1" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.11  
 Top of screen (ft. MSL): 809.70 Materials: PVC Top of Casing elevation (ft. MSL): 820.16  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
9.09 9.19 10.04  
 Water elevation (ft. MSL): 811.07 810.97 810.12  
 3 Well Volumes (gal): 5.56 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
20.46 20.46 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 805.16 Flow Rate (mL/min): 250 Volume removed (gal): 2.3 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-15_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	9:26	9:28	9:30
Temp (°C)	15.57	15.51	15.46
Sp. Cond (umhos/cm)	1099.2	1101.6	1098.1
pH	7.23	7.24	7.24
DO (mg/l)	0.08	0.08	0.07
ORP (mV)	60.9	56.3	52.6
Turbidity (NTU)	0.00	0.00	0.00

Comments: Field duplicate (FD-1\_24\_09) collected at MW-15.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-16 Weather: Clear, 86°F, S wind @ 10 mph, 28.9" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.80  
 Top of screen (ft. MSL): 800.23 Materials: PVC Top of Casing elevation (ft. MSL): 822.24  
 Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	<u>8.16</u>	<u>N/A</u>	<u>N/A</u>
Water elevation (ft. MSL):	<u>814.08</u>	<u>N/A</u>	<u>N/A</u>

3 Well Volumes (gal): 15.57 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	<u>40.01</u>	<u>N/A</u>	<u>N/A</u>

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:        Pump (low flow)        No-purge (specify sample interval):         
       Bailer        X Other (specify): Water Level Only - No Sample

Equipment type:        Submersible pump        Peristaltic pump        Bladder pump  
       Inertial lift pump        Bailer        No-purge (specify):         
       Other (specify):       

Equipment name/description:        Dedicated? (Y/N):        Disposable? (Y/N):         
 Decontamination method:       

Equipment depth (ft. MSL):	<u>N/A</u>	Flow Rate (mL/min):	<u>N/A</u>	Volume removed (gal):	<u>N/A</u>	Volume sampled (L):	<u>N/A</u>
Well dry? (Y/N):	<u>No</u>	Odor? (Y/N):	<u>N/A</u>	Color? (Y/N):	<u>N/A</u>		

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

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Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-18 Weather: Sunny, 84°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 827.29  
 Top of screen (ft. MSL): 820.40 Materials: PVC Top of Casing elevation (ft. MSL): 830.04  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
9.38 9.45 9.85  
 Water elevation (ft. MSL): 820.66 820.59 820.19  
 3 Well Volumes (gal): 5.02 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
19.64 19.64 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 815.04 Flow Rate (mL/min): 200 Volume removed (gal): 1.3 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-18_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	12:39	12:41	12:43
Temp (°C)	18.12	17.88	18.11
Sp. Cond (umhos/cm)	2315.7	2355.1	2381.7
pH	7.16	7.16	7.11
DO (mg/l)	0.08	0.07	0.07
ORP (mV)	26.3	27.1	28.6
Turbidity (NTU)	0.00	0.00	0.00

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-19 Weather: Sunny, 85°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 844.90  
 Top of screen (ft. MSL): 837.59 Materials: PVC Top of Casing elevation (ft. MSL): 847.13  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
7.84 7.93 9.98  
 Water elevation (ft. MSL): 839.29 839.20 837.15  
 3 Well Volumes (gal): 5.72 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
19.54 19.54 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 832.13 Flow Rate (mL/min): 200 Volume removed (gal): 0.9 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-19_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	13:20	13:22	13:24
Temp (°C)	18.21	18.21	18.12
Sp. Cond (umhos/cm)	1666.4	1652.2	1637.5
pH	7.05	6.98	6.96
DO (mg/l)	0.21	0.18	0.16
ORP (mV)	37.7	39.8	43.5
Turbidity (NTU)	0.00	0.00	0.13

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-20 Weather: Sunny, 76°F, SSE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.80  
 Top of screen (ft. MSL): 810.20 Materials: PVC Top of Casing elevation (ft. MSL): 822.25  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
11.63 11.74 11.87  
 Water elevation (ft. MSL): 810.62 810.51 810.38  
 3 Well Volumes (gal): 5.44 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
22.76 22.76 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 804.25 Flow Rate (mL/min): 250 Volume removed (gal): 1.2 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): Yes, slight\*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-20_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	10:43	10:45	10:47
Temp (°C)	17.02	17.03	16.96
Sp. Cond (umhos/cm)	2934.1	2946.9	2990.8
pH	7.42	7.40	7.37
DO (mg/l)	0.09	0.06	0.04
ORP (mV)	-54.0	-56.5	-53.0
Turbidity (NTU)	0.00	0.14	0.00

Comments: \*Slight color and effervescence in sample.



Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-22 Weather: Partly cloudy, 70°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 834.57  
 Top of screen (ft. MSL): 827.36 Materials: PVC Top of Casing elevation (ft. MSL): 834.04  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL 3.04 Before purging 3.16 Before sampling 4.01  
 Water elevation (ft. MSL): 831.00 830.88 830.03

3 Well Volumes (gal): 6.67 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): Constructed 16.68 Measured 16.68 Difference 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 822.04 Flow Rate (mL/min): 200 Volume removed (gal): 0.6 Volume sampled (L): 3.87  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): Yes, slight\*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-22_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8081B - beta-BHC	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4,5-TP	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

Time	Final Reading		
	9:48	9:50	9:52
Temp (°C)	16.00	15.73	15.75
Sp. Cond (umhos/cm)	3224.6	3234.6	3238.9
pH	6.93	6.90	6.89
DO (mg/l)	0.67	0.51	0.49
ORP (mV)	-25.8	-27.9	-28.7
Turbidity (NTU)	0.00	0.00	2.16

Cedar Rapids Linn County Solid  
Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
Well/Piezometer: MW-22 Weather: Partly cloudy,70°F, SSE wind @ 5-10 mph, 30.0" Hg  
Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin  
Comments: Collected field blank (FB-2\_24\_09) at 10:15.

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Cedar Rapids Linn County Solid  
 Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-23 Weather: Clear, 80°F, ESE wind @ 15 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 840.17  
 Top of screen (ft. MSL): 832.97 Materials: PVC Top of Casing elevation (ft. MSL): 842.60  
 Locked (Y/N): Yes  
 Static WL Before purging Before sampling  
 Water Level (ft. TOC): 3.09 N/A N/A  
 Water elevation (ft. MSL): 839.51 N/A N/A  
 3 Well Volumes (gal): 6.83 Screen submerged? (Y/N): Yes  
 Constructed Measured Difference  
 Well Depth (ft. TOC): 17.05 N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:      Pump (low flow)      No-purge (specify sample interval):       
     Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type:      Submersible pump      Peristaltic pump      Bladder pump  
     Inertial lift pump      Bailer      No-purge (specify):       
     Other (specify):       
 Equipment name/description:      Dedicated? (Y/N):      Disposable? (Y/N):       
 Decontamination method:     

Equipment depth Flow Rate Volume removed Volume sampled  
 (ft. MSL): N/A (mL/min): N/A (gal): N/A (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-24 Weather: Sunny, 85°F, S wind @ 5-10 mph, 29.9" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.39  
 Top of screen (ft. MSL): 811.70 Materials: PVC Top of Casing elevation (ft. MSL): 820.27  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 10.71 10.90 10.95  
 Water elevation (ft. MSL): 809.56 809.37 809.32

3 Well Volumes (gal): 0.98 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 12.71 12.71 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 808.02 Flow Rate (mL/min): 200 Volume removed (gal): 0.8 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-24_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	13:23	13:25	13:27
Temp (°C)	18.61	18.60	18.71
Sp. Cond (umhos/cm)	2763.7	2758.0	2760.7
pH	7.33	7.29	7.30
DO (mg/l)	1.24	1.20	1.19
ORP (mV)	95.7	95.4	95.2
Turbidity (NTU)	0.13	0.00	0.00

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-26A Weather: Sunny, 78°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 825.65  
 Top of screen (ft. MSL): 813.46 Materials: PVC Top of Casing elevation (ft. MSL): 828.26  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 18.61 18.82 19.14  
 Water elevation (ft. MSL): 809.65 809.44 809.12

3 Well Volumes (gal): 0.58 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 19.80 20.09 0.29

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 808.76 Flow Rate (mL/min): 125 Volume removed (gal): 0.9 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-26A_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	11:51	11:54	11:56
Temp (°C)	19.16	19.14	18.93
Sp. Cond (umhos/cm)	2745.2	2748.1	2740.1
pH	7.52	7.44	7.44
DO (mg/l)	0.25	0.21	0.19
ORP (mV)	-25.7	-24.1	-21.2
Turbidity (NTU)	0.36	0.14	0.25

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-27 Weather: Clear, 80°F, ESE wind @ 15 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 818.03  
 Top of screen (ft. MSL): 813.03 Materials: PVC Top of Casing elevation (ft. MSL): 820.59  
 Locked (Y/N): Yes

Water Level (ft. TOC): 9.89 Before purging: N/A Before sampling: N/A  
 Water elevation (ft. MSL): 810.70 N/A N/A

3 Well Volumes (gal): 3.79 Screen submerged? (Y/N): No

Well Depth (ft. TOC): 17.65 Constructed Measured Difference  
 N/A N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample

Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):

Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-28 Weather: Clear, 80°F, ESE wind @ 15 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.91  
 Top of screen (ft. MSL): 803.41 Materials: PVC Top of Casing elevation (ft. MSL): 820.29  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 10.19 N/A N/A  
 Water elevation (ft. MSL): 810.10 N/A N/A  
 3 Well Volumes (gal): 5.50 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 21.44 N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-29 Weather: Sunny, 78°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 816.63  
 Top of screen (ft. MSL): 811.63 Materials: PVC Top of Casing elevation (ft. MSL): 819.26  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 8.49 8.57 8.69  
 Water elevation (ft. MSL): 810.77 810.69 810.57

3 Well Volumes (gal): 4.23 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 17.14 17.14 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 807.26 Flow Rate (mL/min): 200 Volume removed (gal): 0.7 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-29_24_09	USEPA 8260D - Benzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Cobalt	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	11:43	11:44	11:45
Temp (°C)	16.71	16.65	16.66
Sp. Cond (umhos/cm)	1285.8	1286.2	1287.6
pH	6.66	6.65	6.65
DO (mg/l)	0.46	0.47	0.43
ORP (mV)	23.7	22.3	19.3
Turbidity (NTU)	0.85	0.30	0.36

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-30 Weather: Partly cloudy, 86°F, SSE wind @ 5-10 mph, 29.9" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 816.16  
 Top of screen (ft. MSL): 811.16 Materials: PVC Top of Casing elevation (ft. MSL): 818.74  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 8.42 8.54 8.62  
 Water elevation (ft. MSL): 810.32 810.20 810.12

3 Well Volumes (gal): 4.27 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 17.15 17.21 0.06

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 806.74 Flow Rate (mL/min): 200 Volume removed (gal): 1.0 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-30_24_09	USEPA 8260D - Benzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Cobalt	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	14:15	14:17	14:19
Temp (°C)	16.43	16.34	16.27
Sp. Cond (umhos/cm)	1187.0	1210.2	1221.4
pH	6.65	6.64	6.63
DO (mg/l)	0.33	0.31	0.29
ORP (mV)	19.3	18.2	17.1
Turbidity (NTU)	0.37	0.00	0.41

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-201A Weather: Clear, 80°F, E wind @ 18 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 868.59  
 Top of screen (ft. MSL): 861.06 Materials: PVC Top of Casing elevation (ft. MSL): 871.41  
 Locked (Y/N): Yes  
 Static WL Before purging Before sampling  
 Water Level (ft. TOC): 8.07 N/A N/A  
 Water elevation (ft. MSL): 863.34 N/A N/A  
 3 Well Volumes (gal): 4.78 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 17.85 N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cedar Rapids Linn County Solid

Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-201B Weather: Sunny, 85°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 868.98  
 Top of screen (ft. MSL): 818.41 Materials: PVC Top of Casing elevation (ft. MSL): 871.06  
 Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	<u>21.90</u>	<u>22.81</u>	<u>29.29</u>
Water elevation (ft. MSL):	<u>849.16</u>	<u>848.25</u>	<u>841.77</u>

3 Well Volumes (gal): 19.93 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	<u>62.65</u>	<u>62.65</u>	<u>0.00</u>

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 \_\_\_\_\_ Bailer \_\_\_\_\_ Other (specify): \_\_\_\_\_

Equipment type: \_\_\_\_\_ Submersible pump  Peristaltic pump \_\_\_\_\_ Bladder pump  
 \_\_\_\_\_ Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 \_\_\_\_\_ Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL):	Flow Rate (mL/min):	Volume removed (gal):	Volume sampled (L):
<u>813.06</u>	<u>200</u>	<u>2.1</u>	<u>4.37</u>

Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-201B_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8081B - beta-BHC; gamma-BHC; Heptachlor	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4-D; 2,4,5-TP	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - Zn Acetate & NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Cedar Rapids Linn County Solid

Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
Well/Piezometer: MW-201B Weather: Sunny, 85°F, SSE wind @ 5-10 mph, 30.0" Hg  
Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Field Analysis**

			Final Reading
Time	11:53	11:56	11:59
Temp (°C)	17.31	17.65	17.63
Sp. Cond (umhos/cm)	651.53	654.45	651.55
pH	7.16	7.17	7.19
DO (mg/l)	7.57	7.52	7.58
ORP (mV)	157.1	157.8	158.3
Turbidity (NTU)	120.90	123.61	132.35

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-201C Weather: Clear, 80°F, E wind @ 18 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 869.16  
 Top of screen (ft. MSL): 625.03 Materials: PVC Top of Casing elevation (ft. MSL): 870.61  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 Water elevation (ft. MSL): 53.28 N/A N/A  
 817.33 N/A N/A  
 3 Well Volumes (gal): 99.42 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 256.60 N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

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Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-204A Weather: Partly cloudy, 85F, SE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.07  
 Top of screen (ft. MSL): 813.24 Materials: PVC Top of Casing elevation (ft. MSL): 821.35  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 6.61 7.31 7.84  
 Water elevation (ft. MSL): 814.74 814.04 813.51  
 3 Well Volumes (gal): 3.18 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 13.11 13.35 0.24

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 811.35 Flow Rate (mL/min): 250 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-204A_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	14:23	14:25	14:27
Temp (°C)	19.39	19.13	19.28
Sp. Cond (umhos/cm)	1136.6	1135.9	1137.8
pH	7.40	7.36	7.37
DO (mg/l)	0.32	0.30	0.29
ORP (mV)	117.8	117.3	118.1
Turbidity (NTU)	3.65	2.74	3.03

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-204B Weather: Partly cloudy, 86F, SE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.19  
 Top of screen (ft. MSL): 800.06 Materials: PVC Top of Casing elevation (ft. MSL): 821.53  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 8.42 7.31 7.84  
 Water elevation (ft. MSL): 813.11 814.22 813.69  
 3 Well Volumes (gal): 8.83 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 26.47 26.70 0.23

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 799.53 Flow Rate (mL/min): 250 Volume removed (gal): 1.6 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-204B_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	15:03	15:05	15:07
Temp (°C)	15.67	15.33	15.24
Sp. Cond (umhos/cm)	1784.5	1782.9	1789.8
pH	7.53	7.55	7.56
DO (mg/l)	0.08	0.07	0.05
ORP (mV)	-22.9	-22.1	-23.1
Turbidity (NTU)	3.46	3.21	0.70

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

Cedar Rapids Linn County Solid  
 Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-204C Weather: Cloudy, 79°F, ESE wind @ 10 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.08  
 Top of screen (ft. MSL): 780.89 Materials: PVC Top of Casing elevation (ft. MSL): 821.64  
 Locked (Y/N): Yes

Water Level (ft. TOC): 6.07 Before purging N/A Before sampling N/A  
 Water elevation (ft. MSL): 815.57 N/A N/A

3 Well Volumes (gal): 21.85 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): 50.75 Constructed 50.75 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:        Pump (low flow)        No-purge (specify sample interval):         
       Bailer        X Other (specify): Water Level Only - No Sample

Equipment type:        Submersible pump        Peristaltic pump        Bladder pump  
       Inertial lift pump        Bailer        No-purge (specify):         
       Other (specify):       

Equipment name/description:        Dedicated? (Y/N):        Disposable? (Y/N):         
 Decontamination method:       

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.



Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-211A Weather: Sunny, 79°F, E wind @ 15 mph, 29.1" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 854.09  
 Top of screen (ft. MSL): 848.38 Materials: PVC Top of Casing elevation (ft. MSL): 856.50  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL 14.35 Before purging N/A Before sampling N/A  
 Water elevation (ft. MSL): 842.15 N/A N/A  
 3 Well Volumes (gal): 1.84 Screen submerged? (Y/N): No  
 Well Depth (ft. TOC): Constructed 18.12 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

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Cedar Rapids Linn County Solid  
 Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-211D Weather: Sunny, 79°F, E wind @ 15 mph, 29.1" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 854.46  
 Top of screen (ft. MSL): 752.04 Materials: PVC Top of Casing elevation (ft. MSL): 857.04  
 Locked (Y/N): Yes

Water Level (ft. TOC): 44.22 Before purging: N/A Before sampling: N/A  
 Water elevation (ft. MSL): 812.82 N/A N/A

3 Well Volumes (gal): 34.61 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): 115.00 Constructed 115.00 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:        Pump (low flow)        No-purge (specify sample interval):         
       Bailer        X Other (specify): Water Level Only - No Sample

Equipment type:        Submersible pump        Peristaltic pump        Bladder pump  
       Inertial lift pump        Bailer        No-purge (specify):         
       Other (specify):       

Equipment name/description:        Dedicated? (Y/N):        Disposable? (Y/N):         
 Decontamination method:       

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-213A Weather: Sunny, 74°F, S wind @ 10-15 mph, 29.9" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 818.07  
 Top of screen (ft. MSL): 813.62 Materials: PVC Top of Casing elevation (ft. MSL): 820.34  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 2.56 3.66 4.55  
 Water elevation (ft. MSL): 817.78 816.68 815.79  
 3 Well Volumes (gal): 4.48 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 11.72 11.71 0.01

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 811.34 Flow Rate (mL/min): 200 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-213A_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	10:21	10:23	10:25
Temp (°C)	19.50	19.48	19.33
Sp. Cond (umhos/cm)	993.06	993.24	992.03
pH	7.11	7.10	7.11
DO (mg/l)	0.18	0.13	0.13
ORP (mV)	22.9	24.0	22.2
Turbidity (NTU)	0.07	0.96	0.90

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024). Field duplicate (FD-4\_24\_09) collected at MW-213A.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-213B Weather: Overcast, 79°F, S wind @ 10-15 mph, 29.9" Hg  
 Date: 9/19/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.85  
 Top of screen (ft. MSL): 794.75 Materials: PVC Top of Casing elevation (ft. MSL): 820.30  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 4.87 4.77 5.04  
 Water elevation (ft. MSL): 815.43 815.53 815.26

3 Well Volumes (gal): 12.56 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): Constructed Measured Difference  
 30.55 30.81 0.26

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 792.30 Flow Rate (mL/min): 225 Volume removed (gal): 1.0 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-213A_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	11:04	11:06	11:08
Temp (°C)	15.92	15.79	15.64
Sp. Cond (umhos/cm)	274.78	272.12	272.76
pH	7.45	7.43	7.46
DO (mg/l)	0.16	0.14	0.13
ORP (mV)	-7.7	-10.2	-13.5
Turbidity (NTU)	2.32	0.34	1.45

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-213D Weather: Sunny, 79°F, E wind @ 15 mph, 29.1" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.86  
 Top of screen (ft. MSL): 765.58 Materials: PVC Top of Casing elevation (ft. MSL): 820.08  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 7.53 N/A N/A  
 Water elevation (ft. MSL): 812.55 N/A N/A  
 3 Well Volumes (gal): 27.86 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 64.50 N/A N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-213E Weather: Sunny, 79°F, E wind @ 15 mph, 29.1" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 4.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.81  
 Top of screen (ft. MSL): 749.22 Materials: PVC Top of Casing elevation (ft. MSL): 820.27  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL 7.71 Before purging N/A Before sampling N/A  
 Water elevation (ft. MSL): 812.56 N/A N/A  
 3 Well Volumes (gal): 35.86 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed 81.05 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

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Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-214 Weather: Sunny, 61°F, E wind @ 10 mph, 29.12" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 835.10  
 Top of screen (ft. MSL): 829.56 Materials: PVC Top of Casing elevation (ft. MSL): 837.29  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 12.69 12.80 19.08  
 Water elevation (ft. MSL): 824.60 824.49 818.21

3 Well Volumes (gal): 2.46 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 17.73 17.73 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 822.29 Flow Rate (mL/min): 200 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-214_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	15:48	15:50	15:52
Temp (°C)	19.04	19.06	19.08
Sp. Cond (umhos/cm)	750.49	752.97	753.87
pH	7.34	7.36	7.37
DO (mg/l)	5.80	5.72	5.67
ORP (mV)	91.6	94.9	95.3
Turbidity (NTU)	0.00	0.00	0.12

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-215 Weather: Sunny, 86°F, SSE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 819.57  
 Top of screen (ft. MSL): 813.40 Materials: PVC Top of Casing elevation (ft. MSL): 822.14  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL Before purging Before sampling  
 8.43 8.84 9.56  
 Water elevation (ft. MSL): 813.71 813.30 812.58  
 3 Well Volumes (gal): 5.04 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed Measured Difference  
 18.74 18.74 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):  
 Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):  
 Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 806.14 Flow Rate (mL/min): 200 Volume removed (gal): 0.6 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-215_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	15:06	15:08	15:10
Temp (°C)	19.67	19.63	19.99
Sp. Cond (umhos/cm)	478.39	477.35	475.36
pH	6.69	6.57	6.64
DO (mg/l)	5.52	5.55	5.49
ORP (mV)	85.3	90.4	93.8
Turbidity (NTU)	1.82	0.34	0.85

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).



Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-216 Weather: Sunny, 80°F, E wind @ 18 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 845.50  
 Top of screen (ft. MSL): 832.53 Materials: PVC Top of Casing elevation (ft. MSL): 847.63  
 Locked (Y/N): Yes  
 Water Level (ft. TOC): Static WL 10.10 Before purging N/A Before sampling N/A  
 Water elevation (ft. MSL): 837.53 N/A N/A  
 3 Well Volumes (gal): 7.34 Screen submerged? (Y/N): Yes  
 Well Depth (ft. TOC): Constructed 25.10 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample  
 Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):  
 Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

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Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-218 Weather: Sunny, 87°F, ESE wind @ 5-10 mph, 30.1" Hg  
 Date: 9/16/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 829.65  
 Top of screen (ft. MSL): 812.39 Materials: PVC Top of Casing elevation (ft. MSL): 832.96  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 22.03 22.11 22.19  
 Water elevation (ft. MSL): 810.93 810.85 810.77

3 Well Volumes (gal): 3.69 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 29.57 29.70 0.13

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 807.96 Flow Rate (mL/min): 200 Volume removed (gal): 0.7 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-218_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	13:41	13:44	13:46
Temp (°C)	16.34	16.38	16.30
Sp. Cond (umhos/cm)	745.95	738.74	738.13
pH	7.16	7.10	7.18
DO (mg/l)	4.00	3.93	4.03
ORP (mV)	163.0	158.3	156.6
Turbidity (NTU)	0.84	2.21	2.75

Comments: In Sep. 2024, MW-204A, MW-204B, MW-213A, MW-213B, MW-214, MW-215, and MW-218 were monitored to continue evaluation for potential background expansion and the *Alternative Source Demonstration: Spring 2024* (HDR, 2024).

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-300 Weather: Sunny, 85°F, S wind @ 5-10 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 853.19  
 Top of screen (ft. MSL): 849.19 Materials: PVC Top of Casing elevation (ft. MSL): 855.57  
 Locked (Y/N): Yes

Static WL Before purging Before sampling  
 Water Level (ft. TOC): 7.58 7.78 9.76  
 Water elevation (ft. MSL): 847.99 847.79 845.81

3 Well Volumes (gal): 4.30 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 16.38 16.38 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: X Pump (low flow) No-purge (specify sample interval):  
 Bailer Other (specify):

Equipment type: Submersible pump X Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 842.57 Flow Rate (mL/min): 250 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-300_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	14:02	14:04	14:06
Temp (°C)	17.58	17.38	17.36
Sp. Cond (umhos/cm)	969.30	967.25	963.55
pH	6.55	6.50	6.49
DO (mg/l)	0.43	0.32	0.29
ORP (mV)	110.2	113.9	114.6
Turbidity (NTU)	0.50	0.00	0.00

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-301 Weather: Sunny, 81°F, SSE wind @ 0-5 mph, 30.1" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 822.47  
 Top of screen (ft. MSL): 812.47 Materials: PVC Top of Casing elevation (ft. MSL): 824.10  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 12.92 13.02 14.40  
 Water elevation (ft. MSL): 811.18 811.08 809.70

3 Well Volumes (gal): 3.51 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 20.10 20.10 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 808.10 Flow Rate (mL/min): 250 Volume removed (gal): 2.6 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-301_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	11:50	11:52	11:54
Temp (°C)	16.55	16.52	16.47
Sp. Cond (umhos/cm)	1632.3	1657.9	1677.9
pH	7.24	7.26	7.26
DO (mg/l)	0.09	0.08	0.07
ORP (mV)	-9.6	-11.1	-12.1
Turbidity (NTU)	0.00	0.11	0.00

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-302R Weather: Sunny, 86°F, SSE wind @ 0-5 mph, 29.9" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): -  
 Top of screen (ft. MSL): 804.99 Materials: PVC Top of Casing elevation (ft. MSL): 823.05  
 Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	<u>2.92</u>	<u>3.06</u>	<u>6.99</u>
Water elevation (ft. MSL):	<u>820.13</u>	<u>819.99</u>	<u>816.06</u>

3 Well Volumes (gal): 12.29 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	<u>28.06</u>	<u>28.06</u>	<u>0.00</u>

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval): \_\_\_\_\_  
 Bailer  Other (specify): \_\_\_\_\_

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 800.05 Flow Rate (mL/min): 250 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-302R_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	14:08	14:10	14:12
Temp (°C)	17.78	17.78	17.81
Sp. Cond (umhos/cm)	487.24	492.74	487.69
pH	7.83	7.78	7.75
DO (mg/l)	0.10	0.09	0.08
ORP (mV)	85.6	84.4	82.6
Turbidity (NTU)	0.64	0.20	1.87

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-303 Weather: Sunny, 86°F, S wind @ 10-15 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): -  
 Top of screen (ft. MSL): 817.91 Materials: PVC Top of Casing elevation (ft. MSL): 826.76  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 17.39 17.49 18.82  
 Water elevation (ft. MSL): 809.37 809.27 807.94

3 Well Volumes (gal): 1.69 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 20.85 20.85 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 807.76 Flow Rate (mL/min): 200 Volume removed (gal): 0.8 Volume sampled (L): 3.87  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): Yes, slight\*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-303_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8081B - gamma-BHC; Heptachlor	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4-D	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	13:30	13:32	13:34
Temp (°C)	18.98	18.95	18.82
Sp. Cond (umhos/cm)	1484.8	1480.2	1485.6
pH	6.10	6.08	6.08
DO (mg/l)	0.94	0.81	0.77
ORP (mV)	191.8	194.1	196.3
Turbidity (NTU)	4.28	5.12	3.09

Cedar Rapids Linn County Solid  
Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
Well/Piezometer: MW-303 Weather: Sunny, 86°F, S wind @ 10-15 mph, 30.0" Hg  
Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin  
Comments: Collected field blank (FB-1\_24\_09) at 14:00.

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Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-304R Weather: Sunny, 86°F, SSE wind @ 10-15 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 9.5 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 831.59  
 Top of screen (ft. MSL): 814.59 Materials: PVC Top of Casing elevation (ft. MSL): 834.09  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 23.71 23.76 24.32  
 Water elevation (ft. MSL): 810.38 810.33 809.77

3 Well Volumes (gal): 2.88 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 29.59 29.59 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 808.09 Flow Rate (mL/min): 200 Volume removed (gal): 0.9 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-304R_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	14:50	14:52	14:54
Temp (°C)	21.10	20.78	20.96
Sp. Cond (umhos/cm)	1514.4	1509.3	1518.6
pH	6.43	6.42	6.41
DO (mg/l)	0.80	0.70	0.67
ORP (mV)	11.1	11.8	12.2
Turbidity (NTU)	6.57	6.82	6.90

Comments: Field duplicate (FD-2\_24\_09) collected at MW-302R.



Cedar Rapids Linn County Solid

Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-305 Weather: Partly cloudy, 72°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 823.77  
 Top of screen (ft. MSL): 809.77 Materials: PVC Top of Casing elevation (ft. MSL): 826.76  
 Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	<u>13.60</u>	<u>13.65</u>	<u>14.57</u>
Water elevation (ft. MSL):	<u>813.16</u>	<u>813.11</u>	<u>812.19</u>

3 Well Volumes (gal): 8.99 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	<u>31.99</u>	<u>31.99</u>	<u>0.00</u>

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow) \_\_\_\_\_ No-purge (specify sample interval): \_\_\_\_\_  
 Bailer \_\_\_\_\_ Other (specify): \_\_\_\_\_

Equipment type: \_\_\_\_\_ Submersible pump  Peristaltic pump \_\_\_\_\_ Bladder pump \_\_\_\_\_  
 Inertial lift pump \_\_\_\_\_ Bailer \_\_\_\_\_ No-purge (specify): \_\_\_\_\_  
 Other (specify): \_\_\_\_\_

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL):	<u>799.76</u>	Flow Rate (mL/min):	<u>250</u>	Volume removed (gal):	<u>1.6</u>	Volume sampled (L):	<u>1.37</u>
Well dry? (Y/N):	<u>No</u>	Odor? (Y/N):	<u>No</u>	Color? (Y/N):	<u>No</u>		

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-305_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	10:56	10:58	11:00
Temp (°C)	15.83	15.97	15.97
Sp. Cond (umhos/cm)	1076.2	1074.4	1087.4
pH	7.46	7.44	7.39
DO (mg/l)	0.08	0.07	0.06
ORP (mV)	48.0	47.9	49.5
Turbidity (NTU)	2.62	0.66	3.40

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-306 Weather: Partly cloudy, 85°F, S wind @ 10-15 mph, 29.9" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.99  
 Top of screen (ft. MSL): 812.49 Materials: PVC Top of Casing elevation (ft. MSL): 821.40  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 10.96 10.96 11.57  
 Water elevation (ft. MSL): 810.44 810.44 809.83

3 Well Volumes (gal): 5.84 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 22.91 22.91 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 804.40 Flow Rate (mL/min): 200 Volume removed (gal): 1.3 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-306_24_09	USEPA 8260D - Benzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Cobalt	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	13:35	13:37	13:39
Temp (°C)	17.16	16.95	17.03
Sp. Cond (umhos/cm)	1683.6	1684.4	1682.7
pH	6.72	6.68	6.67
DO (mg/l)	0.52	0.46	0.40
ORP (mV)	13.2	9.2	6.4
Turbidity (NTU)	0.52	0.46	0.40

Comments: Field duplicate (FD-3\_24\_09) collected at MW-306.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-307A Weather: Partly cloudy, 75°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.78  
 Top of screen (ft. MSL): 811.78 Materials: PVC Top of Casing elevation (ft. MSL): 822.41  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 10.60 10.60 10.93  
 Water elevation (ft. MSL): 811.81 811.81 811.48

3 Well Volumes (gal): 4.90 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): Constructed Measured Difference  
 20.63 20.63 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 807.41 Flow Rate (mL/min): 200 Volume removed (gal): 0.7 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-307A_24_09	USEPA 8260D - Benzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Cobalt	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	11:03	11:05	11:07
Temp (°C)	15.58	15.22	15.03
Sp. Cond (umhos/cm)	1158.0	1162.7	1162.8
pH	6.67	6.64	6.63
DO (mg/l)	0.51	0.43	0.38
ORP (mV)	22.3	19.7	17.9
Turbidity (NTU)	0.00	0.00	0.00

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Cedar Rapids Linn County Solid  
 Site Name: Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-307B Weather: Sunny, 80°F, ESE wind @ 15 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 817.55  
 Top of screen (ft. MSL): 798.05 Materials: PVC Top of Casing elevation (ft. MSL): 822.38  
 Locked (Y/N): Yes

Water Level (ft. TOC): 9.71 Before purging: N/A Before sampling: N/A  
 Water elevation (ft. MSL): 812.67 N/A N/A

3 Well Volumes (gal): 9.59 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): 29.33 Constructed 29.33 Measured N/A Difference N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:        Pump (low flow)        No-purge (specify sample interval):         
       Bailer        X Other (specify): Water Level Only - No Sample

Equipment type:        Submersible pump        Peristaltic pump        Bladder pump  
       Inertial lift pump        Bailer        No-purge (specify):         
       Other (specify):       

Equipment name/description:        Dedicated? (Y/N):        Disposable? (Y/N):         
 Decontamination method:       

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-308 Weather: Sunny, 80°F, ESE wind @ 15 mph, 29.08" Hg  
 Date: 9/13/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 816.99  
 Top of screen (ft. MSL): 806.99 Materials: PVC Top of Casing elevation (ft. MSL): 819.48  
 Locked (Y/N): Yes

Water Level (ft. TOC): 8.95 Before purging: N/A Before sampling: N/A  
 Water elevation (ft. MSL): 810.53 Before purging: N/A Before sampling: N/A

3 Well Volumes (gal): 9.07 Screen submerged? (Y/N): Yes

Well Depth (ft. TOC): Constructed: 27.49 Measured: N/A Difference: N/A

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method: Pump (low flow) No-purge (specify sample interval):  
 Bailer X Other (specify): Water Level Only - No Sample

Equipment type: Submersible pump Peristaltic pump Bladder pump  
 Inertial lift pump Bailer No-purge (specify):  
 Other (specify):

Equipment name/description: Dedicated? (Y/N): Disposable? (Y/N):  
 Decontamination method:

Equipment depth (ft. MSL): N/A Flow Rate (mL/min): N/A Volume removed (gal): N/A Volume sampled (L): N/A  
 Well dry? (Y/N): No Odor? (Y/N): N/A Color? (Y/N): N/A

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
	Sample not collected	N/A	N/A

**Field Analysis**

Time	N/A
Temp (°C)	N/A
Sp. Cond (umhos/cm)	N/A
pH	N/A
DO (mg/l)	N/A
ORP (mV)	N/A
Turbidity (NTU)	N/A

Comments: Water level monitoring location only.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-501 Weather: Sunny, 86°F, SSE wind @ 5-10 mph, 30.0" Hg  
 Date: 9/17/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 827.95  
 Top of screen (ft. MSL): 818.95 Materials: PVC Top of Casing elevation (ft. MSL): 830.87  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 15.82 16.00 17.02  
 Water elevation (ft. MSL): 815.05 814.87 813.85

3 Well Volumes (gal): 9.83 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 35.92 35.92 0.00

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 799.87 Flow Rate (mL/min): 200 Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-501_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading		
Time	15:13	15:15	15:17
Temp (°C)	19.34	18.87	18.86
Sp. Cond (umhos/cm)	1252.7	1252.8	1252.6
pH	6.67	6.66	6.64
DO (mg/l)	0.79	0.77	0.74
ORP (mV)	152.7	151.5	150.4
Turbidity (NTU)	0.49	0.08	0.25

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 2 Permit No.: 57-SDP-01-72P  
 Well/Piezometer: MW-502 Weather: Partly cloudy, 69°F, SE wind @ 0-5 mph, 30.0" Hg  
 Date: 9/18/2024 Personnel: O.A. Technical Services: Tyler Merritt & Randy Gavin

**Monitoring Well Details**

Borehole diameter (in): 8.25 Casing Diameter (in): 2 Ground surface elevation (ft. MSL): 839.07  
 Top of screen (ft. MSL): 817.07 Materials: PVC Top of Casing elevation (ft. MSL): 842.85  
 Locked (Y/N): Yes

Water Level (ft. TOC): Static WL Before purging Before sampling  
 32.28 32.37 Dry\*  
 Water elevation (ft. MSL): 810.57 810.48 N/A

3 Well Volumes (gal): 1.71 Screen submerged? (Y/N): No

Well Depth (ft. TOC): Constructed Measured Difference  
 35.78 36.10 0.32

Well conditions commentary: See Well Maintenance Evaluation Form for details.

**Sampling Details**

Sampling Method:  Pump (low flow)  No-purge (specify sample interval):  
 Bailer  Other (specify):

Equipment type:  Submersible pump  Peristaltic pump  Bladder pump  
 Inertial lift pump  Bailer  No-purge (specify):  
 Other (specify):

Equipment name/description: Geotech Peristaltic Dedicated? (Y/N): No Disposable? (Y/N): No  
 Decontamination method: disposable tubing

Equipment depth (ft. MSL): 807.85 Flow Rate (mL/min): 200\* Volume removed (gal): 1.1 Volume sampled (L): 1.37  
 Well dry? (Y/N): No Odor? (Y/N): No Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-502_24_09	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO <sub>3</sub>	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

**Field Analysis**

	Final Reading
Time	9:14
Temp (°C)	23.02
Sp. Cond (umhos/cm)	910.01
pH	6.59
DO (mg/l)	4.59
ORP (mV)	185.0
Turbidity (NTU)	0.00

Comments: \*MW-502 was purged using low-flow techniques with an initial purge rate of 200 mL/min then reduced to 100 mL/min to 50 mL/min before going dry. The well was allowed to recharge overnight then sampled on 9/19.



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gina Wilming  
Foth Infrastructure & Environment, LLC  
411 6th Avenue SE  
Suite 400  
Cedar Rapids, Iowa 52401

Generated 10/9/2024 12:00:43 PM

## JOB DESCRIPTION

CRLCSWA Site 2 Groundwater  
24C034.00

## JOB NUMBER

310-290890-1



# Eurofins Cedar Falls

## Job Notes

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# Case Narrative

Client: Foth Infrastructure & Environment, LLC  
Project: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1

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Eurofins Cedar Falls

## Job Narrative 310-290890-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 9/18/2024 4:00 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 1.5°C, 1.5°C, 2.2°C and 3.8°C.

### GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-433671 recovered above the upper control limit for Trichlorofluoromethane (30.8%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 310-433671/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-433703 recovered above the upper control limit for Trichlorofluoromethane (26.8%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 310-433703/4).

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 310-433433 and 310-433983 and analytical batch 310-434676 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

Method 6020B: The initial calibration verification (ICV) result for batch 310-435065 was above the upper control limit. The affected analytes are: Silver. Sample results were non-detects, and have been reported as qualified data.

Method 6020B: The method blank for preparation batch 310-433716 contained Copper above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 6020B: The initial calibration verification (ICV) result for batch 310-435613 was above the upper control limit. The affected analytes are: Silver. Sample results were non-detects, and have been reported as qualified data.

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.

Eurofins Cedar Falls

# Sample Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-290890-1	MW-9AR_24_09	Water	09/16/24 14:00	09/18/24 16:00
310-290890-2	MW-15_24_09	Water	09/17/24 09:30	09/18/24 16:00
310-290890-3	MW-18_24_09	Water	09/17/24 12:45	09/18/24 16:00
310-290890-4	MW-19_24_09	Water	09/17/24 13:25	09/18/24 16:00
310-290890-5	MW-20_24_09	Water	09/17/24 10:50	09/18/24 16:00
310-290890-6	MW-201B_24_09	Water	09/17/24 12:05	09/18/24 16:00
310-290890-7	MW-300_24_09	Water	09/17/24 14:10	09/18/24 16:00
310-290890-8	MW-301_24_09	Water	09/17/24 11:55	09/18/24 16:00
310-290890-9	MW-303_24_09	Water	09/17/24 13:35	09/18/24 16:00
310-290890-10	MW-304R_24_09	Water	09/17/24 14:55	09/18/24 16:00
310-290890-11	MW-501_24_09	Water	09/17/24 15:20	09/18/24 16:00
310-290890-12	FD-1_24_09	Water	09/17/24 00:00	09/18/24 16:00
310-290890-13	FD-2_24_09	Water	09/17/24 00:00	09/18/24 16:00
310-290890-14	FB-1_24_09	Water	09/17/24 14:00	09/18/24 16:00
310-290890-15	TB-1_24_09	Water	09/17/24 00:00	09/18/24 16:00
310-290890-16	MW-204A_24_09	Water	09/16/24 14:30	09/18/24 16:00
310-290890-17	MW-204B_24_09	Water	09/16/24 15:10	09/18/24 16:00
310-290890-18	MW-214_24_09	Water	09/16/24 15:55	09/18/24 16:00
310-290890-19	MW-215_24_09	Water	09/16/24 15:10	09/18/24 16:00
310-290890-20	MW-218_24_09	Water	09/16/24 13:50	09/18/24 16:00

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# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

## Client Sample ID: MW-9AR\_24\_09

## Lab Sample ID: 310-290890-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00208		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.464		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000224	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	36.0		15.0	11.1	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-15\_24\_09

## Lab Sample ID: 310-290890-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00128	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0817		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000181	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00306		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00953		0.00500	0.00210	mg/L	1		6020B	Total/NA
Thallium	0.000583	J	0.00100	0.000570	mg/L	1		6020B	Total/NA
Vanadium	0.00142	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-18\_24\_09

## Lab Sample ID: 310-290890-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.223	J	0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.000987	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0753		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000181	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00709		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0227		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.63		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-19\_24\_09

## Lab Sample ID: 310-290890-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.28		1.00	0.230	ug/L	1		8260D	Total/NA
Chlorobenzene	1.57		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.225	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.000918	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0417		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000138	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0154		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0233		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.25		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-20\_24\_09

## Lab Sample ID: 310-290890-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.541	J	1.00	0.230	ug/L	1		8260D	Total/NA
Benzene	3.20		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	6.09		1.00	0.400	ug/L	1		8260D	Total/NA
Arsenic	0.00554		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	1.24		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00135	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Cobalt	0.00422		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0215		0.00500	0.00210	mg/L	1		6020B	Total/NA
Vanadium	0.00324	J	0.00500	0.00110	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

## Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

### Client Sample ID: MW-20\_24\_09 (Continued)

Lab Sample ID: 310-290890-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	59.0		15.0	11.1	mg/L		1	I-3765-85	Total/NA

### Client Sample ID: MW-201B\_24\_09

Lab Sample ID: 310-290890-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000862	J	0.00200	0.000530	mg/L		1	6020B	Total/NA
Barium	0.0908		0.00200	0.000660	mg/L		1	6020B	Total/NA
Cobalt	0.000271	J	0.000500	0.000170	mg/L		1	6020B	Total/NA
Lead	0.000482	J	0.000500	0.000260	mg/L		1	6020B	Total/NA
Nickel	0.00247	J	0.00500	0.00210	mg/L		1	6020B	Total/NA
Vanadium	0.00124	J	0.00500	0.00110	mg/L		1	6020B	Total/NA
Total Suspended Solids	17.4		1.88	1.39	mg/L		1	I-3765-85	Total/NA

### Client Sample ID: MW-300\_24\_09

Lab Sample ID: 310-290890-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.87		1.00	0.230	ug/L		1	8260D	Total/NA
Chlorobenzene	1.75		1.00	0.400	ug/L		1	8260D	Total/NA
Arsenic	0.000590	J	0.00200	0.000530	mg/L		1	6020B	Total/NA
Barium	0.205		0.00200	0.000660	mg/L		1	6020B	Total/NA
Cadmium	0.000295		0.000200	0.000100	mg/L		1	6020B	Total/NA
Cobalt	0.00288		0.000500	0.000170	mg/L		1	6020B	Total/NA
Copper	0.00197	J	0.00500	0.00180	mg/L		1	6020B	Total/NA
Nickel	0.00785		0.00500	0.00210	mg/L		1	6020B	Total/NA
Total Suspended Solids	1.75	J	1.88	1.39	mg/L		1	I-3765-85	Total/NA

### Client Sample ID: MW-301\_24\_09

Lab Sample ID: 310-290890-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.278	J	1.00	0.230	ug/L		1	8260D	Total/NA
Chlorobenzene	1.01		1.00	0.400	ug/L		1	8260D	Total/NA
Arsenic	0.00868		0.00200	0.000530	mg/L		1	6020B	Total/NA
Barium	0.0724		0.00200	0.000660	mg/L		1	6020B	Total/NA
Cobalt	0.00590		0.000500	0.000170	mg/L		1	6020B	Total/NA
Nickel	0.0110		0.00500	0.00210	mg/L		1	6020B	Total/NA
Total Suspended Solids	35.0		15.0	11.1	mg/L		1	I-3765-85	Total/NA

### Client Sample ID: MW-303\_24\_09

Lab Sample ID: 310-290890-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0176		0.00200	0.000660	mg/L		1	6020B	Total/NA
Cobalt	0.000182	J	0.000500	0.000170	mg/L		1	6020B	Total/NA
Nickel	0.00656		0.00500	0.00210	mg/L		1	6020B	Total/NA

### Client Sample ID: MW-304R\_24\_09

Lab Sample ID: 310-290890-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.29	J	10.0	3.10	ug/L		1	8260D	Total/NA
Arsenic	0.000626	J	0.00200	0.000530	mg/L		1	6020B	Total/NA
Barium	0.0412		0.00200	0.000660	mg/L		1	6020B	Total/NA
Cadmium	0.000117	J	0.000200	0.000100	mg/L		1	6020B	Total/NA
Cobalt	0.00680		0.000500	0.000170	mg/L		1	6020B	Total/NA
Nickel	0.00770		0.00500	0.00210	mg/L		1	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Client Sample ID: MW-304R\_24\_09 (Continued)

Lab Sample ID: 310-290890-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	17.3		5.00	3.70	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-501\_24\_09

Lab Sample ID: 310-290890-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0180		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000314		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0131		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0415		0.00500	0.00210	mg/L	1		6020B	Total/NA
Zinc	0.0255		0.0200	0.00970	mg/L	1		6020B	Total/NA

## Client Sample ID: FD-1\_24\_09

Lab Sample ID: 310-290890-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00126	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0873		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000154	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00338		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0103		0.00500	0.00210	mg/L	1		6020B	Total/NA
Vanadium	0.00169	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.25		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: FD-2\_24\_09

Lab Sample ID: 310-290890-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00175	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0495		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000122	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00707		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00699		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	32.0		15.0	11.1	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: FB-1\_24\_09

Lab Sample ID: 310-290890-14

No Detections.

## Client Sample ID: TB-1\_24\_09

Lab Sample ID: 310-290890-15

No Detections.

## Client Sample ID: MW-204A\_24\_09

Lab Sample ID: 310-290890-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000541	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0537		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000246		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00176		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00203	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Nickel	0.00619		0.00500	0.00210	mg/L	1		6020B	Total/NA
Vanadium	0.00608		0.00500	0.00110	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.50		1.88	1.39	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Client Sample ID: MW-204B\_24\_09

## Lab Sample ID: 310-290890-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000939	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0229		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0120		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00600		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	18.7		5.00	3.70	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-214\_24\_09

## Lab Sample ID: 310-290890-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0714		0.00200	0.000660	mg/L	1		6020B	Total/NA
Selenium	0.00412	J	0.00500	0.00140	mg/L	1		6020B	Total/NA

## Client Sample ID: MW-215\_24\_09

## Lab Sample ID: 310-290890-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.189		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	1.50	J	1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-218\_24\_09

## Lab Sample ID: 310-290890-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00106	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.207		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000174	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Selenium	0.00323	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.50		1.88	1.39	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-9AR\_24\_09**

**Lab Sample ID: 310-290890-1**

Date Collected: 09/16/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 16:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 16:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 16:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 16:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 16:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 16:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 16:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 16:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 16:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 16:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 16:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 16:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 16:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 16:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 16:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 16:55	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 16:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 16:55	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 16:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 16:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 16:55	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 16:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 16:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 16:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 16:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 16:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 16:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 16:55	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 16:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 16:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 16:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 16:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 16:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 16:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 16:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 16:55	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 16:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 16:55	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 16:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 16:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 16:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 16:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 16:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 16:55	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 16:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 16:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		73 - 130		09/19/24 16:55	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-9AR\_24\_09**

**Lab Sample ID: 310-290890-1**

Date Collected: 09/16/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		09/19/24 16:55	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/19/24 16:55	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0402		0.0956	0.0402	ug/L		09/23/24 13:13	09/30/24 17:06	1
gamma-BHC (Lindane)	<0.00956		0.0956	0.00956	ug/L		09/23/24 13:13	09/30/24 17:06	1
Heptachlor	<0.0220		0.0956	0.0220	ug/L		09/23/24 13:13	09/30/24 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	94		10 - 136	09/23/24 13:13	09/30/24 17:06	1
Tetrachloro-m-xylene (Surr)	89		10 - 130	09/23/24 13:13	09/30/24 17:06	1

**Method: SW846 8151A - Herbicides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.347		1.13	0.347	ug/L		09/23/24 07:53	09/24/24 18:00	1
2,4,5-TP	<0.0943		1.13	0.0943	ug/L		09/23/24 07:53	09/24/24 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	62		25 - 130	09/23/24 07:53	09/24/24 18:00	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		09/20/24 09:00	10/02/24 19:12	1
<b>Arsenic</b>	<b>0.00208</b>		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:12	1
<b>Barium</b>	<b>0.464</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:12	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:12	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:12	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:12	1
<b>Cobalt</b>	<b>0.000224</b>	<b>J</b>	0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:12	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:12	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:12	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:12	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:12	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:12	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:12	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:12	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:12	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		09/22/24 18:08	09/22/24 21:05	1
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>36.0</b>		15.0	11.1	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-15\_24\_09**

**Lab Sample ID: 310-290890-2**

Date Collected: 09/17/24 09:30

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 00:30	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 00:30	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 00:30	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 00:30	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 00:30	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 00:30	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 00:30	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 00:30	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 00:30	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 00:30	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 00:30	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 00:30	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 00:30	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 00:30	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 00:30	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 00:30	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 00:30	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 00:30	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 00:30	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 00:30	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 00:30	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 00:30	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 14:18	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 00:30	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 00:30	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 00:30	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 00:30	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 00:30	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 00:30	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 00:30	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 00:30	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 00:30	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 00:30	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 00:30	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 00:30	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 00:30	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 00:30	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 00:30	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 00:30	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 00:30	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 00:30	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 00:30	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 00:30	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 00:30	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 00:30	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 00:30	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 00:30	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-15\_24\_09**

**Lab Sample ID: 310-290890-2**

Date Collected: 09/17/24 09:30

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 14:18	1
Toluene-d8 (Surr)	93		80 - 120		09/20/24 00:30	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 14:18	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 00:30	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/24/24 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		09/20/24 09:00	10/02/24 19:20	1
<b>Arsenic</b>	<b>0.00128</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Barium</b>	<b>0.0817</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:20	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Cadmium</b>	<b>0.000181</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:20	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Cobalt</b>	<b>0.00306</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:20	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:20	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Nickel</b>	<b>0.00953</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:20	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:20	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Thallium</b>	<b>0.000583</b>	<b>J</b>	0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:20	1
<b>Vanadium</b>	<b>0.00142</b>	<b>J</b>	0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:20	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>2.88</b>		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-18\_24\_09**

**Lab Sample ID: 310-290890-3**

Date Collected: 09/17/24 12:45

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 00:53	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 00:53	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 00:53	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 00:53	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 00:53	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 00:53	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 00:53	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 00:53	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 00:53	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 00:53	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 00:53	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 00:53	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 00:53	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 00:53	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 00:53	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 00:53	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 00:53	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 00:53	1
<b>Benzene</b>	<b>0.223</b>	<b>J</b>	0.500	0.220	ug/L			09/20/24 00:53	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 00:53	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 00:53	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 00:53	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 14:41	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 00:53	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 00:53	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 00:53	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 00:53	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 00:53	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 00:53	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 00:53	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 00:53	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 00:53	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 00:53	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 00:53	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 00:53	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 00:53	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 00:53	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 00:53	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 00:53	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 00:53	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 00:53	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 00:53	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 00:53	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 00:53	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 00:53	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 00:53	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 00:53	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-18\_24\_09**

**Lab Sample ID: 310-290890-3**

Date Collected: 09/17/24 12:45

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130		09/24/24 14:41	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 00:53	1
Toluene-d8 (Surr)	91		80 - 120		09/24/24 14:41	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 00:53	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/24/24 14:41	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		09/20/24 09:00	10/02/24 19:22	1
<b>Arsenic</b>	<b>0.000987</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:22	1
<b>Barium</b>	<b>0.0753</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:22	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:22	1
<b>Cadmium</b>	<b>0.000181</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:22	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:22	1
<b>Cobalt</b>	<b>0.00709</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:22	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:22	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:22	1
<b>Nickel</b>	<b>0.0227</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:22	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:22	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:22	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:22	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:22	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>2.63</b>		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-19\_24\_09**

**Lab Sample ID: 310-290890-4**

Date Collected: 09/17/24 13:25

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 01:16	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 01:16	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 01:16	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 01:16	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 01:16	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 01:16	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 01:16	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 01:16	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 01:16	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 01:16	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 01:16	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 01:16	1
<b>1,4-Dichlorobenzene</b>	<b>2.28</b>		1.00	0.230	ug/L			09/20/24 01:16	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 01:16	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 01:16	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 01:16	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 01:16	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 01:16	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 01:16	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 01:16	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 01:16	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 01:16	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 15:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 01:16	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 01:16	1
<b>Chlorobenzene</b>	<b>1.57</b>		1.00	0.400	ug/L			09/20/24 01:16	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 01:16	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 01:16	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 01:16	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 01:16	1
<b>cis-1,2-Dichloroethene</b>	<b>0.225 J</b>		1.00	0.210	ug/L			09/20/24 01:16	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 01:16	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 01:16	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 01:16	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 01:16	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 01:16	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 01:16	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 01:16	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 01:16	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 01:16	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 01:16	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 01:16	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 01:16	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 01:16	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 01:16	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 01:16	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/20/24 01:16	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-19\_24\_09**

**Lab Sample ID: 310-290890-4**

Date Collected: 09/17/24 13:25

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		73 - 130		09/24/24 15:03	1
Toluene-d8 (Surr)	93		80 - 120		09/20/24 01:16	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 15:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 01:16	1
4-Bromofluorobenzene (Surr)	104		80 - 120		09/24/24 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		09/20/24 09:00	10/02/24 19:25	1
<b>Arsenic</b>	<b>0.000918</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:25	1
<b>Barium</b>	<b>0.0417</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:25	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:25	1
<b>Cadmium</b>	<b>0.000138</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:25	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:25	1
<b>Cobalt</b>	<b>0.0154</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:25	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:25	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:25	1
<b>Nickel</b>	<b>0.0233</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:25	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:25	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:25	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:25	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:25	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>4.25</b>		1.88	1.39	mg/L			09/19/24 13:08	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-20\_24\_09**

**Lab Sample ID: 310-290890-5**

Date Collected: 09/17/24 10:50

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 01:38	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 01:38	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 01:38	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 01:38	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 01:38	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 01:38	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 01:38	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 01:38	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 01:38	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 01:38	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 01:38	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 01:38	1
<b>1,4-Dichlorobenzene</b>	<b>0.541</b>	<b>J</b>	1.00	0.230	ug/L			09/20/24 01:38	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 01:38	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 01:38	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 01:38	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 01:38	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 01:38	1
<b>Benzene</b>	<b>3.20</b>		0.500	0.220	ug/L			09/20/24 01:38	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 01:38	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 01:38	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 01:38	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 15:26	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 01:38	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 01:38	1
<b>Chlorobenzene</b>	<b>6.09</b>		1.00	0.400	ug/L			09/20/24 01:38	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 01:38	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 01:38	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 01:38	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 01:38	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 01:38	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 01:38	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 01:38	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 01:38	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 01:38	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 01:38	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 01:38	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 01:38	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 01:38	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 01:38	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 01:38	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 01:38	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 01:38	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 01:38	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 01:38	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 01:38	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/20/24 01:38	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-20\_24\_09**

**Lab Sample ID: 310-290890-5**

Date Collected: 09/17/24 10:50

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130		09/24/24 15:26	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 01:38	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 15:26	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/20/24 01:38	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/24/24 15:26	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		09/20/24 09:00	10/02/24 19:27	1
<b>Arsenic</b>	<b>0.00554</b>		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:27	1
<b>Barium</b>	<b>1.24</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:27	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:27	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:27	1
<b>Chromium</b>	<b>0.00135 J</b>		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:27	1
<b>Cobalt</b>	<b>0.00422</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:27	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:27	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:27	1
<b>Nickel</b>	<b>0.0215</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:27	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:27	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:27	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:27	1
<b>Vanadium</b>	<b>0.00324 J</b>		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:27	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>59.0</b>		15.0	11.1	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-201B\_24\_09**

**Lab Sample ID: 310-290890-6**

Date Collected: 09/17/24 12:05

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 02:01	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 02:01	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 02:01	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 02:01	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 02:01	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 02:01	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 02:01	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 02:01	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 02:01	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 02:01	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 02:01	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 02:01	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 02:01	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 02:01	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 02:01	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 02:01	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 02:01	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 02:01	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 02:01	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 02:01	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 02:01	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 02:01	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 15:49	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 02:01	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 02:01	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 02:01	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 02:01	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 02:01	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 02:01	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 02:01	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 02:01	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 02:01	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 02:01	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 02:01	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 02:01	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 02:01	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 02:01	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 02:01	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 02:01	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 02:01	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 02:01	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 02:01	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 02:01	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 02:01	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 02:01	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 02:01	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 02:01	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-201B\_24\_09**

**Lab Sample ID: 310-290890-6**

Date Collected: 09/17/24 12:05

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 15:49	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 02:01	1
Toluene-d8 (Surr)	93		80 - 120		09/24/24 15:49	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 02:01	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/24/24 15:49	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0386		0.0919	0.0386	ug/L		09/23/24 13:13	09/30/24 17:30	1
gamma-BHC (Lindane)	<0.00919		0.0919	0.00919	ug/L		09/23/24 13:13	09/30/24 17:30	1
Heptachlor	<0.0211		0.0919	0.0211	ug/L		09/23/24 13:13	09/30/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	92		10 - 136	09/23/24 13:13	09/30/24 17:30	1
Tetrachloro-m-xylene (Surr)	94		10 - 130	09/23/24 13:13	09/30/24 17:30	1

**Method: SW846 8151A - Herbicides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.306		0.996	0.306	ug/L		09/23/24 07:53	09/24/24 18:18	1
2,4,5-TP	<0.0831		0.996	0.0831	ug/L		09/23/24 07:53	09/24/24 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	76		25 - 130	09/23/24 07:53	09/24/24 18:18	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		09/20/24 09:00	10/02/24 19:29	1
<b>Arsenic</b>	<b>0.000862</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:29	1
<b>Barium</b>	<b>0.0908</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:29	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:29	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:29	1
<b>Cobalt</b>	<b>0.000271</b>	<b>J</b>	0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:29	1
Copper	<0.00180		0.00500	0.00180	mg/L		10/08/24 09:30	10/08/24 20:34	1
<b>Lead</b>	<b>0.000482</b>	<b>J</b>	0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:29	1
<b>Nickel</b>	<b>0.00247</b>	<b>J</b>	0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:29	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:29	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:29	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:29	1
<b>Vanadium</b>	<b>0.00124</b>	<b>J</b>	0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:29	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:29	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		09/22/24 18:21	09/22/24 21:37	1
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>17.4</b>		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-300\_24\_09**

**Lab Sample ID: 310-290890-7**

Date Collected: 09/17/24 14:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 02:24	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 02:24	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 02:24	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 02:24	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 02:24	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 02:24	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 02:24	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 02:24	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 02:24	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 02:24	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 02:24	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 02:24	1
<b>1,4-Dichlorobenzene</b>	<b>1.87</b>		1.00	0.230	ug/L			09/20/24 02:24	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 02:24	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 02:24	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 02:24	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 02:24	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 02:24	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 02:24	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 02:24	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 02:24	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 02:24	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 16:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 02:24	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 02:24	1
<b>Chlorobenzene</b>	<b>1.75</b>		1.00	0.400	ug/L			09/20/24 02:24	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 02:24	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 02:24	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 02:24	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 02:24	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 02:24	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 02:24	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 02:24	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 02:24	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 02:24	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 02:24	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 02:24	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 02:24	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 02:24	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 02:24	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 02:24	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 02:24	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 02:24	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 02:24	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 02:24	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 02:24	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 02:24	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-300\_24\_09**

**Lab Sample ID: 310-290890-7**

Date Collected: 09/17/24 14:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130		09/24/24 16:11	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 02:24	1
Toluene-d8 (Surr)	93		80 - 120		09/24/24 16:11	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 02:24	1
4-Bromofluorobenzene (Surr)	106		80 - 120		09/24/24 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		09/20/24 09:00	10/02/24 19:40	1
<b>Arsenic</b>	<b>0.000590</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:40	1
<b>Barium</b>	<b>0.205</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:40	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:40	1
<b>Cadmium</b>	<b>0.000295</b>		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:40	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:40	1
<b>Cobalt</b>	<b>0.00288</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:40	1
<b>Copper</b>	<b>0.00197</b>	<b>J</b>	0.00500	0.00180	mg/L		10/08/24 09:30	10/08/24 20:36	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:40	1
<b>Nickel</b>	<b>0.00785</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:40	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:40	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:40	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:40	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:40	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>1.75</b>	<b>J</b>	1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-301\_24\_09**

**Lab Sample ID: 310-290890-8**

Date Collected: 09/17/24 11:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 02:47	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 02:47	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 02:47	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 02:47	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 02:47	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 02:47	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 02:47	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 02:47	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 02:47	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 02:47	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 02:47	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 02:47	1
<b>1,4-Dichlorobenzene</b>	<b>0.278</b>	<b>J</b>	1.00	0.230	ug/L			09/20/24 02:47	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 02:47	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 02:47	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 02:47	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 02:47	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 02:47	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 02:47	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 02:47	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 02:47	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 02:47	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 16:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 02:47	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 02:47	1
<b>Chlorobenzene</b>	<b>1.01</b>		1.00	0.400	ug/L			09/20/24 02:47	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 02:47	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 02:47	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 02:47	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 02:47	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 02:47	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 02:47	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 02:47	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 02:47	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 02:47	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 02:47	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 02:47	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 02:47	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 02:47	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 02:47	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 02:47	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 02:47	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 02:47	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 02:47	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 02:47	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 02:47	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/20/24 02:47	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-301\_24\_09**

**Lab Sample ID: 310-290890-8**

Date Collected: 09/17/24 11:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 16:34	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 02:47	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 16:34	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/20/24 02:47	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/24/24 16:34	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		09/20/24 09:00	10/02/24 19:42	1
<b>Arsenic</b>	<b>0.00868</b>		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:42	1
<b>Barium</b>	<b>0.0724</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:42	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:42	1
<b>Cobalt</b>	<b>0.00590</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:42	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:42	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:42	1
<b>Nickel</b>	<b>0.0110</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:42	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:42	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:42	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:42	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:42	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>35.0</b>		15.0	11.1	mg/L			09/19/24 13:08	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-303\_24\_09**

**Lab Sample ID: 310-290890-9**

Date Collected: 09/17/24 13:35

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 03:10	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 03:10	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 03:10	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 03:10	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 03:10	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 03:10	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 03:10	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 03:10	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 03:10	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 03:10	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 03:10	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 03:10	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 03:10	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 03:10	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 03:10	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 03:10	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 03:10	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 03:10	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 03:10	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 03:10	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 03:10	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 03:10	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 16:57	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 03:10	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 03:10	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 03:10	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 03:10	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 03:10	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 03:10	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 03:10	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 03:10	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 03:10	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 03:10	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 03:10	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 03:10	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 03:10	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 03:10	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 03:10	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 03:10	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 03:10	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 03:10	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 03:10	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 03:10	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 03:10	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 03:10	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 03:10	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130		09/20/24 03:10	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-303\_24\_09**

**Lab Sample ID: 310-290890-9**

Date Collected: 09/17/24 13:35

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		73 - 130		09/24/24 16:57	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 03:10	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 16:57	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/20/24 03:10	1
4-Bromofluorobenzene (Surr)	92		80 - 120		09/24/24 16:57	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	<0.00962		0.0962	0.00962	ug/L		09/23/24 13:13	09/30/24 17:53	1
Heptachlor	<0.0221		0.0962	0.0221	ug/L		09/23/24 13:13	09/30/24 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	127		10 - 136	09/23/24 13:13	09/30/24 17:53	1
Tetrachloro-m-xylene (Surr)	81		10 - 130	09/23/24 13:13	09/30/24 17:53	1

**Method: SW846 8151A - Herbicides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.305		0.992	0.305	ug/L		09/23/24 07:53	09/24/24 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	90		25 - 130	09/23/24 07:53	09/24/24 18:37	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		09/20/24 09:00	10/02/24 19:44	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:44	1
<b>Barium</b>	<b>0.0176</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:44	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:44	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:44	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:44	1
<b>Cobalt</b>	<b>0.000182 J</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:44	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:44	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:44	1
<b>Nickel</b>	<b>0.00656</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:44	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:44	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:44	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:44	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:44	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-304R\_24\_09**

**Lab Sample ID: 310-290890-10**

Date Collected: 09/17/24 14:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 03:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 03:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 03:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 03:33	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 03:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 03:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 03:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 03:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 03:33	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 03:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 03:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 03:33	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 03:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 03:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 03:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 03:33	1
<b>Acetone</b>	<b>3.29</b>	<b>J</b>	10.0	3.10	ug/L			09/20/24 03:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 03:33	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 03:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 03:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 03:33	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 03:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 17:20	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 03:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 03:33	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 03:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 03:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 03:33	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 03:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 03:33	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 03:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 03:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 03:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 03:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 03:33	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 03:33	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 03:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 03:33	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 03:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 03:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 03:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 03:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 03:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 03:33	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 03:33	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 03:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		73 - 130		09/20/24 03:33	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-304R\_24\_09**

**Lab Sample ID: 310-290890-10**

Date Collected: 09/17/24 14:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 17:20	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 03:33	1
Toluene-d8 (Surr)	84		80 - 120		09/24/24 17:20	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/20/24 03:33	1
4-Bromofluorobenzene (Surr)	94		80 - 120		09/24/24 17:20	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		09/20/24 09:00	10/02/24 19:47	1
<b>Arsenic</b>	<b>0.000626</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:47	1
<b>Barium</b>	<b>0.0412</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:47	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:47	1
<b>Cadmium</b>	<b>0.000117</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:47	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:47	1
<b>Cobalt</b>	<b>0.00680</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:47	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:47	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:47	1
<b>Nickel</b>	<b>0.00770</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:47	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:47	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:47	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:47	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:47	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>17.3</b>		5.00	3.70	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-501\_24\_09**

**Lab Sample ID: 310-290890-11**

Date Collected: 09/17/24 15:20

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 03:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 03:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 03:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 03:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 03:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 03:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 03:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 03:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 03:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 03:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 03:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 03:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 03:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 03:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 03:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 03:55	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 03:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 03:55	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 03:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 03:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 03:55	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 03:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 17:42	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 03:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 03:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 03:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 03:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 03:55	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 03:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 03:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 03:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 03:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 03:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 03:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 03:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 03:55	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 03:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 03:55	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 03:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 03:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 03:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 03:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 03:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 03:55	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 03:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 03:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 03:55	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-501\_24\_09**

**Lab Sample ID: 310-290890-11**

Date Collected: 09/17/24 15:20

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 17:42	1
Toluene-d8 (Surr)	91		80 - 120		09/20/24 03:55	1
Toluene-d8 (Surr)	85		80 - 120		09/24/24 17:42	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 03:55	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/24/24 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		09/20/24 09:00	10/02/24 19:49	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:49	1
<b>Barium</b>	<b>0.0180</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:49	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:49	1
<b>Cadmium</b>	<b>0.000314</b>		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:49	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:49	1
<b>Cobalt</b>	<b>0.0131</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:49	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:49	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:49	1
<b>Nickel</b>	<b>0.0415</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:49	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:49	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:49	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:49	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:49	1
<b>Zinc</b>	<b>0.0255</b>		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FD-1\_24\_09**

**Lab Sample ID: 310-290890-12**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 04:18	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 04:18	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 04:18	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 04:18	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 04:18	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 04:18	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 04:18	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 04:18	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 04:18	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 04:18	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 04:18	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 04:18	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 04:18	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 04:18	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 04:18	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 04:18	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 04:18	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 04:18	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 04:18	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 04:18	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 04:18	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 04:18	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:05	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 04:18	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 04:18	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 04:18	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 04:18	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 04:18	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 04:18	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 04:18	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 04:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 04:18	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 04:18	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 04:18	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 04:18	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 04:18	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 04:18	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 04:18	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 04:18	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 04:18	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 04:18	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 04:18	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 04:18	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 04:18	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 04:18	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 04:18	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130		09/20/24 04:18	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FD-1\_24\_09**

**Lab Sample ID: 310-290890-12**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		73 - 130		09/24/24 18:05	1
Toluene-d8 (Surr)	93		80 - 120		09/20/24 04:18	1
Toluene-d8 (Surr)	88		80 - 120		09/24/24 18:05	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 04:18	1
4-Bromofluorobenzene (Surr)	102		80 - 120		09/24/24 18:05	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		09/20/24 09:00	10/02/24 19:53	1
<b>Arsenic</b>	<b>0.00126</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:53	1
<b>Barium</b>	<b>0.0873</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:53	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:53	1
<b>Cadmium</b>	<b>0.000154</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:53	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:53	1
<b>Cobalt</b>	<b>0.00338</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:53	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:53	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:53	1
<b>Nickel</b>	<b>0.0103</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:53	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:53	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:53	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:53	1
<b>Vanadium</b>	<b>0.00169</b>	<b>J</b>	0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:53	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>2.25</b>		1.88	1.39	mg/L			09/19/24 13:08	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FD-2\_24\_09**

**Lab Sample ID: 310-290890-13**

**Date Collected: 09/17/24 00:00**

**Matrix: Water**

**Date Received: 09/18/24 16:00**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 04:41	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 04:41	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 04:41	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 04:41	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 04:41	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 04:41	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 04:41	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 04:41	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 04:41	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 04:41	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 04:41	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 04:41	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 04:41	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 04:41	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 04:41	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 04:41	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 04:41	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 04:41	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 04:41	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 04:41	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 04:41	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 04:41	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 04:41	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 04:41	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 04:41	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 04:41	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 04:41	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 04:41	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 04:41	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 04:41	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 04:41	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 04:41	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 04:41	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 04:41	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 04:41	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 04:41	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 04:41	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 04:41	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 04:41	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 04:41	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 04:41	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 04:41	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 04:41	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 04:41	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 04:41	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130		09/20/24 04:41	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FD-2\_24\_09**

**Lab Sample ID: 310-290890-13**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 18:28	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 04:41	1
Toluene-d8 (Surr)	92		80 - 120		09/24/24 18:28	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 04:41	1
4-Bromofluorobenzene (Surr)	104		80 - 120		09/24/24 18:28	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		09/20/24 09:00	10/02/24 19:55	1
<b>Arsenic</b>	<b>0.00175</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:55	1
<b>Barium</b>	<b>0.0495</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:55	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:55	1
<b>Cadmium</b>	<b>0.000122</b>	<b>J</b>	0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:55	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:55	1
<b>Cobalt</b>	<b>0.00707</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:55	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:55	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:55	1
<b>Nickel</b>	<b>0.00699</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:55	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:55	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:55	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:55	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:55	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>32.0</b>		15.0	11.1	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FB-1\_24\_09**

**Lab Sample ID: 310-290890-14**

Date Collected: 09/17/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 23:44	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 23:44	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 23:44	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 23:44	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 23:44	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 23:44	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 23:44	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 23:44	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 23:44	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 23:44	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 23:44	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 23:44	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 23:44	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 23:44	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 23:44	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 23:44	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 23:44	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 23:44	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 23:44	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 23:44	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 23:44	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 23:44	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 13:32	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 23:44	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 23:44	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 23:44	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 23:44	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 23:44	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 23:44	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 23:44	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 23:44	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 23:44	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 23:44	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 23:44	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 23:44	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 23:44	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 23:44	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 23:44	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 23:44	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 23:44	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 23:44	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 23:44	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 23:44	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 23:44	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 23:44	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 23:44	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		73 - 130		09/19/24 23:44	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FB-1\_24\_09**

**Lab Sample ID: 310-290890-14**

Date Collected: 09/17/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		73 - 130		09/24/24 13:32	1
Toluene-d8 (Surr)	92		80 - 120		09/19/24 23:44	1
Toluene-d8 (Surr)	87		80 - 120		09/24/24 13:32	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/19/24 23:44	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/24/24 13:32	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0392		0.0933	0.0392	ug/L		09/23/24 13:13	09/30/24 18:16	1
gamma-BHC (Lindane)	<0.00933		0.0933	0.00933	ug/L		09/23/24 13:13	09/30/24 18:16	1
Heptachlor	<0.0215		0.0933	0.0215	ug/L		09/23/24 13:13	09/30/24 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	46		10 - 136	09/23/24 13:13	09/30/24 18:16	1
Tetrachloro-m-xylene (Surr)	95		10 - 130	09/23/24 13:13	09/30/24 18:16	1

**Method: SW846 8151A - Herbicides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.337		1.10	0.337	ug/L		09/23/24 07:53	09/24/24 18:55	1
2,4,5-TP	<0.0914		1.10	0.0914	ug/L		09/23/24 07:53	09/24/24 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	55		25 - 130	09/23/24 07:53	09/24/24 18:55	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		09/20/24 09:00	10/02/24 19:57	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 19:57	1
Barium	<0.000660		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 19:57	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 19:57	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 19:57	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 19:57	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 19:57	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 19:57	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 19:57	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 19:57	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 19:57	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 19:57	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 19:57	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 19:57	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 19:57	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		09/22/24 18:25	09/22/24 21:47	1
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/19/24 13:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: TB-1\_24\_09**

**Lab Sample ID: 310-290890-15**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 00:07	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 00:07	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 00:07	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 00:07	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 00:07	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 00:07	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 00:07	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 00:07	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 00:07	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 00:07	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 00:07	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 00:07	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 00:07	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 00:07	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 00:07	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 00:07	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 00:07	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 00:07	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 00:07	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 00:07	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 00:07	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 00:07	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 13:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 00:07	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 00:07	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 00:07	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 00:07	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 00:07	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 00:07	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 00:07	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 00:07	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 00:07	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 00:07	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 00:07	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 00:07	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 00:07	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 00:07	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 00:07	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 00:07	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 00:07	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 00:07	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 00:07	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 00:07	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 00:07	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 00:07	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 00:07	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130		09/20/24 00:07	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: TB-1\_24\_09**

**Lab Sample ID: 310-290890-15**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Dibromofluoromethane (Surr)	104		73 - 130		09/24/24 13:55	1
Toluene-d8 (Surr)	93		80 - 120		09/20/24 00:07	1
Toluene-d8 (Surr)	93		80 - 120		09/24/24 13:55	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 00:07	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/24/24 13:55	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-204A\_24\_09**

**Lab Sample ID: 310-290890-16**

Date Collected: 09/16/24 14:30

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 17:18	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 17:18	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 17:18	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 17:18	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 17:18	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 17:18	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 17:18	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 17:18	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 17:18	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 17:18	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 17:18	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 17:18	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 17:18	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 17:18	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 17:18	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 17:18	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 17:18	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 17:18	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 17:18	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 17:18	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 17:18	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 17:18	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 17:18	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 17:18	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 17:18	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 17:18	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 17:18	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 17:18	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 17:18	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 17:18	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 17:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 17:18	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 17:18	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 17:18	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 17:18	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 17:18	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 17:18	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 17:18	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 17:18	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 17:18	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 17:18	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 17:18	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 17:18	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 17:18	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 17:18	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 17:18	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/19/24 17:18	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-204A\_24\_09**

**Lab Sample ID: 310-290890-16**

Date Collected: 09/16/24 14:30

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		09/19/24 17:18	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/19/24 17:18	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		09/20/24 09:00	10/02/24 20:00	1
<b>Arsenic</b>	<b>0.000541</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Barium</b>	<b>0.0537</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 20:00	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Cadmium</b>	<b>0.000246</b>		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 20:00	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Cobalt</b>	<b>0.00176</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Copper</b>	<b>0.00203</b>	<b>J</b>	0.00500	0.00180	mg/L		10/08/24 09:30	10/08/24 20:41	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Nickel</b>	<b>0.00619</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 20:00	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 20:00	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 20:00	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 20:00	1
<b>Vanadium</b>	<b>0.00608</b>		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 20:00	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 20:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>7.50</b>		1.88	1.39	mg/L			09/19/24 12:15	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-204B\_24\_09**

**Lab Sample ID: 310-290890-17**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 17:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 17:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 17:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 17:40	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 17:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 17:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 17:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 17:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 17:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 17:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 17:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 17:40	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 17:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 17:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 17:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 17:40	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 17:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 17:40	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 17:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 17:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 17:40	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 17:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 17:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 17:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 17:40	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 17:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 17:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 17:40	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 17:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 17:40	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 17:40	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 17:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 17:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 17:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 17:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 17:40	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 17:40	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 17:40	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 17:40	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 17:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 17:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 17:40	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 17:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 17:40	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 17:40	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 17:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/19/24 17:40	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-204B\_24\_09**

**Lab Sample ID: 310-290890-17**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		09/19/24 17:40	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/19/24 17:40	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		09/20/24 09:00	10/02/24 20:10	1
<b>Arsenic</b>	<b>0.000939</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 20:10	1
<b>Barium</b>	<b>0.0229</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 20:10	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 20:10	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 20:10	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 20:10	1
<b>Cobalt</b>	<b>0.0120</b>		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 20:10	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 20:10	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 20:10	1
<b>Nickel</b>	<b>0.00600</b>		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 20:10	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 20:10	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 20:10	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 20:10	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 20:10	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 20:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>18.7</b>		5.00	3.70	mg/L			09/19/24 12:15	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-214\_24\_09**

**Lab Sample ID: 310-290890-18**

Date Collected: 09/16/24 15:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 18:03	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 18:03	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 18:03	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 18:03	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 18:03	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 18:03	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 18:03	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 18:03	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 18:03	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 18:03	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 18:03	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 18:03	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 18:03	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 18:03	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 18:03	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 18:03	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 18:03	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 18:03	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 18:03	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 18:03	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 18:03	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 18:03	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 18:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 18:03	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 18:03	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 18:03	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 18:03	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 18:03	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 18:03	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 18:03	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 18:03	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 18:03	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 18:03	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 18:03	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 18:03	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 18:03	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 18:03	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 18:03	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 18:03	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 18:03	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 18:03	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 18:03	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 18:03	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 18:03	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 18:03	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 18:03	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/19/24 18:03	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-214\_24\_09**

**Lab Sample ID: 310-290890-18**

Date Collected: 09/16/24 15:55

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		09/19/24 18:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/19/24 18:03	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		09/20/24 09:00	10/02/24 20:13	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 20:13	1
<b>Barium</b>	<b>0.0714</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 20:13	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 20:13	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 20:13	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 20:13	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 20:13	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 20:13	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 20:13	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 20:13	1
<b>Selenium</b>	<b>0.00412 J</b>		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 20:13	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 20:13	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 20:13	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 20:13	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 20:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/19/24 12:15	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-215\_24\_09**

**Lab Sample ID: 310-290890-19**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 18:26	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 18:26	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 18:26	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 18:26	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 18:26	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 18:26	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 18:26	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 18:26	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 18:26	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 18:26	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 18:26	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 18:26	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 18:26	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 18:26	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 18:26	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 18:26	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 18:26	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 18:26	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 18:26	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 18:26	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 18:26	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 18:26	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 18:26	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 18:26	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 18:26	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 18:26	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 18:26	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 18:26	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 18:26	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 18:26	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 18:26	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 18:26	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 18:26	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 18:26	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 18:26	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 18:26	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 18:26	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 18:26	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 18:26	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 18:26	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 18:26	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 18:26	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 18:26	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 18:26	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 18:26	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 18:26	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/19/24 18:26	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-215\_24\_09**

**Lab Sample ID: 310-290890-19**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		09/19/24 18:26	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/19/24 18:26	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		09/20/24 09:00	10/02/24 20:15	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 20:15	1
<b>Barium</b>	<b>0.189</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 20:15	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 20:15	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 20:15	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 20:15	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 20:15	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 20:15	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 20:15	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 20:15	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 20:15	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 20:15	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 20:15	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 20:15	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 20:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>1.50</b>	<b>J</b>	1.88	1.39	mg/L			09/19/24 12:15	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-218\_24\_09**

**Lab Sample ID: 310-290890-20**

Date Collected: 09/16/24 13:50

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/20/24 05:04	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/20/24 05:04	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/20/24 05:04	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/20/24 05:04	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/20/24 05:04	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/20/24 05:04	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/20/24 05:04	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/20/24 05:04	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/20/24 05:04	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/20/24 05:04	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/20/24 05:04	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/20/24 05:04	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/20/24 05:04	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/20/24 05:04	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/20/24 05:04	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/20/24 05:04	1
Acetone	<3.10		10.0	3.10	ug/L			09/20/24 05:04	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/20/24 05:04	1
Benzene	<0.220		0.500	0.220	ug/L			09/20/24 05:04	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/20/24 05:04	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/20/24 05:04	1
Bromoform	<0.780		5.00	0.780	ug/L			09/20/24 05:04	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:51	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/20/24 05:04	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/20/24 05:04	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/20/24 05:04	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/20/24 05:04	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/20/24 05:04	1
Chloroform	<1.30		3.00	1.30	ug/L			09/20/24 05:04	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/20/24 05:04	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/20/24 05:04	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/20/24 05:04	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/20/24 05:04	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/20/24 05:04	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/20/24 05:04	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/20/24 05:04	1
Styrene	<0.370		1.00	0.370	ug/L			09/20/24 05:04	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/20/24 05:04	1
Toluene	<0.430		1.00	0.430	ug/L			09/20/24 05:04	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/20/24 05:04	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/20/24 05:04	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/20/24 05:04	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/20/24 05:04	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/20/24 05:04	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/20/24 05:04	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/20/24 05:04	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/20/24 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/20/24 05:04	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-218\_24\_09**

**Lab Sample ID: 310-290890-20**

Date Collected: 09/16/24 13:50

Matrix: Water

Date Received: 09/18/24 16:00

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		73 - 130		09/24/24 18:51	1
Toluene-d8 (Surr)	92		80 - 120		09/20/24 05:04	1
Toluene-d8 (Surr)	89		80 - 120		09/24/24 18:51	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/20/24 05:04	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/24/24 18:51	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		09/20/24 09:00	10/02/24 20:17	1
<b>Arsenic</b>	<b>0.00106</b>	<b>J</b>	0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 20:17	1
<b>Barium</b>	<b>0.207</b>		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 20:17	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 20:17	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 20:17	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 20:17	1
<b>Cobalt</b>	<b>0.000174</b>	<b>J</b>	0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 20:17	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 20:17	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 20:17	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 20:17	1
<b>Selenium</b>	<b>0.00323</b>	<b>J</b>	0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 20:17	1
Silver	<0.000500		0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 20:17	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 20:17	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 20:17	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 20:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>4.50</b>		1.88	1.39	mg/L			09/19/24 12:15	1



# Definitions/Glossary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Qualifiers

### GC/MS VOA

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.

### Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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.
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: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (73-130)	TOL (80-120)	BFB (80-120)
310-290791-D-3 MS	Matrix Spike	106	95	95
310-290791-D-3 MSD	Matrix Spike Duplicate	106	96	97
310-290890-1	MW-9AR_24_09	112	93	98
310-290890-2	MW-15_24_09	111	93	97
310-290890-2	MW-15_24_09	105	92	103
310-290890-2 MS	MW-15_24_09	108	95	99
310-290890-2 MSD	MW-15_24_09	106	95	98
310-290890-3	MW-18_24_09	111	92	97
310-290890-3	MW-18_24_09	106	91	99
310-290890-3 MS	MW-18_24_09	106	94	95
310-290890-3 MSD	MW-18_24_09	105	95	95
310-290890-4	MW-19_24_09	109	93	97
310-290890-4	MW-19_24_09	104	92	104
310-290890-5	MW-20_24_09	109	92	98
310-290890-5	MW-20_24_09	106	92	105
310-290890-6	MW-201B_24_09	111	92	97
310-290890-6	MW-201B_24_09	105	93	98
310-290890-7	MW-300_24_09	111	92	97
310-290890-7	MW-300_24_09	106	93	106
310-290890-8	MW-301_24_09	109	92	98
310-290890-8	MW-301_24_09	105	92	105
310-290890-9	MW-303_24_09	110	92	98
310-290890-9	MW-303_24_09	104	92	92
310-290890-10	MW-304R_24_09	112	92	96
310-290890-10	MW-304R_24_09	105	84	94
310-290890-11	MW-501_24_09	111	91	97
310-290890-11	MW-501_24_09	105	85	103
310-290890-12	FD-1_24_09	110	93	97
310-290890-12	FD-1_24_09	107	88	102
310-290890-13	FD-2_24_09	110	92	97
310-290890-13	FD-2_24_09	105	92	104
310-290890-14	FB-1_24_09	113	92	96
310-290890-14	FB-1_24_09	105	87	95
310-290890-15	TB-1_24_09	110	93	97
310-290890-15	TB-1_24_09	104	93	98
310-290890-16	MW-204A_24_09	111	92	96
310-290890-17	MW-204B_24_09	111	93	96
310-290890-18	MW-214_24_09	111	92	97
310-290890-19	MW-215_24_09	109	93	97
310-290890-20	MW-218_24_09	111	92	97
310-290890-20	MW-218_24_09	104	89	99
LCS 310-433671/6	Lab Control Sample	106	95	97
LCS 310-433671/7	Lab Control Sample	110	93	97
LCS 310-433703/6	Lab Control Sample	107	95	99
LCS 310-433703/7	Lab Control Sample	112	93	96
LCS 310-434105/6	Lab Control Sample	103	94	98
LCS 310-434105/7	Lab Control Sample	104	93	98
MB 310-433671/5	Method Blank	109	93	98
MB 310-433703/5	Method Blank	112	93	98

# Surrogate Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (73-130)	TOL (80-120)	BFB (80-120)
MB 310-434105/5	Method Blank	104	91	99
<b>Surrogate Legend</b>				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-136)	TCX1 (10-130)
310-290890-1	MW-9AR_24_09	94	89
310-290890-6	MW-201B_24_09	92	94
310-290890-9	MW-303_24_09	127	81
310-290890-14	FB-1_24_09	46	95
LB 310-433433/1-D	Method Blank	77	81
LCS 310-433983/3-A	Lab Control Sample	131	99
MB 310-433983/1-A	Method Blank	119	86
<b>Surrogate Legend</b>			
DCB = DCB Decachlorobiphenyl (Surr)			
TCX = Tetrachloro-m-xylene (Surr)			

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-136)	TCX1 (10-130)
310-289965-C-1-G MS	Matrix Spike	113	90
310-289965-C-1-H MSD	Matrix Spike Duplicate	108	97
<b>Surrogate Legend</b>			
DCB = DCB Decachlorobiphenyl (Surr)			
TCX = Tetrachloro-m-xylene (Surr)			

## Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1 (25-130)
310-290890-1	MW-9AR_24_09	62
310-290890-6	MW-201B_24_09	76
310-290890-9	MW-303_24_09	90
310-290890-14	FB-1_24_09	55
LCS 500-787236/2-A	Lab Control Sample	83
LCSD 500-787236/3-A	Lab Control Sample Dup	83
MB 500-787236/1-A	Method Blank	71
<b>Surrogate Legend</b>		

# Surrogate Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater  
DCPAA = DCAA

Job ID: 310-290890-1  
SDG: 24C034.00

- 1
- 2
- 3
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- 15

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 310-433671/5**  
**Matrix: Water**  
**Analysis Batch: 433671**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 11:35	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 11:35	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 11:35	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 11:35	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 11:35	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 11:35	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 11:35	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 11:35	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 11:35	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 11:35	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 11:35	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 11:35	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 11:35	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 11:35	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 11:35	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 11:35	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 11:35	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 11:35	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 11:35	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 11:35	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 11:35	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 11:35	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 11:35	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 11:35	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 11:35	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 11:35	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 11:35	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 11:35	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 11:35	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 11:35	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 11:35	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 11:35	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 11:35	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 11:35	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 11:35	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 11:35	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 11:35	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 11:35	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 11:35	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 11:35	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 11:35	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 11:35	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 11:35	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 11:35	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 11:35	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 11:35	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 11:35	1

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 310-433671/5**  
**Matrix: Water**  
**Analysis Batch: 433671**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	109		73 - 130		09/19/24 11:35	1
Toluene-d8 (Surr)	93		80 - 120		09/19/24 11:35	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/19/24 11:35	1

**Lab Sample ID: LCS 310-433671/6**  
**Matrix: Water**  
**Analysis Batch: 433671**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.39		ug/L		97	71 - 120
1,1,1-Trichloroethane	20.0	20.68		ug/L		103	73 - 129
1,1,2,2-Tetrachloroethane	20.0	18.56		ug/L		93	68 - 124
1,1,2-Trichloroethane	20.0	18.95		ug/L		95	73 - 123
1,1-Dichloroethane	20.0	20.07		ug/L		100	70 - 127
1,1-Dichloroethane	20.0	19.90		ug/L		99	63 - 132
1,2,3-Trichloropropane	20.0	19.37		ug/L		97	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	18.47		ug/L		92	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.25		ug/L		96	75 - 125
1,2-Dichlorobenzene	20.0	18.71		ug/L		94	74 - 120
1,2-Dichloroethane	20.0	19.43		ug/L		97	71 - 125
1,2-Dichloropropane	20.0	20.19		ug/L		101	73 - 124
1,4-Dichlorobenzene	20.0	18.67		ug/L		93	72 - 120
2-Butanone (MEK)	40.0	36.75		ug/L		92	50 - 150
2-Hexanone	40.0	34.99		ug/L		87	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.20		ug/L		85	60 - 139
Acetone	40.0	33.97		ug/L		85	50 - 150
Acrylonitrile	200	204.3		ug/L		102	50 - 150
Benzene	20.0	20.34		ug/L		102	72 - 124
Bromochloromethane	20.0	21.08		ug/L		105	73 - 130
Bromodichloromethane	20.0	20.41		ug/L		102	74 - 122
Bromoform	20.0	20.42		ug/L		102	61 - 122
Carbon disulfide	20.0	18.65		ug/L		93	59 - 135
Carbon tetrachloride	20.0	21.31		ug/L		107	67 - 132
Chlorobenzene	20.0	19.07		ug/L		95	76 - 120
Chlorodibromomethane	20.0	19.01		ug/L		95	71 - 121
Chloroform	20.0	20.22		ug/L		101	72 - 125
cis-1,2-Dichloroethene	20.0	20.90		ug/L		104	74 - 123
cis-1,3-Dichloropropene	20.0	18.82		ug/L		94	71 - 125
Dibromomethane	20.0	20.40		ug/L		102	74 - 125
Ethylbenzene	20.0	19.19		ug/L		96	74 - 122
Iodomethane	20.0	14.10		ug/L		71	10 - 150
Methylene Chloride	20.0	19.31		ug/L		97	50 - 150
Styrene	20.0	19.81		ug/L		99	74 - 121
Tetrachloroethene	20.0	19.91		ug/L		100	71 - 130
Toluene	20.0	18.78		ug/L		94	74 - 123
trans-1,2-Dichloroethene	20.0	20.21		ug/L		101	70 - 126
trans-1,3-Dichloropropene	20.0	19.84		ug/L		99	69 - 123
trans-1,4-Dichloro-2-butene	20.0	19.65		ug/L		98	50 - 150

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 310-433671/6**

**Matrix: Water**

**Analysis Batch: 433671**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Trichloroethene	20.0	20.31		ug/L		102	72 - 126
Vinyl acetate	40.0	42.76		ug/L		107	50 - 150
Xylenes, Total	40.0	39.23		ug/L		98	73 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

**Lab Sample ID: LCS 310-433671/7**

**Matrix: Water**

**Analysis Batch: 433671**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Bromomethane	20.0	12.74		ug/L		64	23 - 150
Chloroethane	20.0	23.08		ug/L		115	54 - 136
Chloromethane	20.0	17.72		ug/L		89	38 - 150
Trichlorofluoromethane	20.0	26.70		ug/L		133	54 - 149
Vinyl chloride	20.0	22.85		ug/L		114	56 - 140

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	110		73 - 130
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

**Lab Sample ID: 310-290791-D-3 MS**

**Matrix: Water**

**Analysis Batch: 433671**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1,1,1,2-Tetrachloroethane	<0.380		20.0	17.71		ug/L		89	55 - 130
1,1,1-Trichloroethane	<0.190		20.0	19.69		ug/L		98	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		20.0	17.92		ug/L		90	54 - 130
1,1,2-Trichloroethane	<0.450		20.0	17.94		ug/L		90	58 - 130
1,1-Dichloroethane	<0.220		20.0	19.42		ug/L		97	49 - 130
1,1-Dichloroethene	<0.560		20.0	20.13		ug/L		101	37 - 132
1,2,3-Trichloropropane	<0.590		20.0	18.25		ug/L		91	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		20.0	17.40		ug/L		87	38 - 150
1,2-Dibromoethane (EDB)	<0.340		20.0	18.75		ug/L		94	60 - 130
1,2-Dichlorobenzene	<0.370		20.0	17.61		ug/L		88	59 - 130
1,2-Dichloroethane	<0.390		20.0	18.36		ug/L		92	51 - 130
1,2-Dichloropropane	<0.270		20.0	19.47		ug/L		97	57 - 130
1,4-Dichlorobenzene	<0.230		20.0	17.48		ug/L		87	57 - 130
2-Butanone (MEK)	<2.10		40.0	33.50		ug/L		84	38 - 150
2-Hexanone	<2.00		40.0	33.27		ug/L		83	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	32.91		ug/L		82	47 - 139
Acetone	<3.10		40.0	31.85		ug/L		80	31 - 150
Acrylonitrile	<2.20		200	189.4		ug/L		95	40 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-290791-D-3 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433671

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.220		20.0	19.37		ug/L		97	46 - 130
Bromochloromethane	<0.540		20.0	20.89		ug/L		104	57 - 130
Bromodichloromethane	<0.390		20.0	19.22		ug/L		96	57 - 130
Bromoform	<0.780		20.0	17.74		ug/L		89	44 - 130
Carbon disulfide	<0.450		20.0	21.40		ug/L		107	38 - 135
Carbon tetrachloride	<0.650		20.0	19.88		ug/L		99	45 - 132
Chlorobenzene	<0.400		20.0	18.16		ug/L		91	59 - 130
Chlorodibromomethane	<0.750		20.0	17.31		ug/L		87	54 - 130
Chloroform	<1.30		20.0	19.73		ug/L		99	51 - 130
cis-1,2-Dichloroethene	<0.210		20.0	20.41		ug/L		102	45 - 130
cis-1,3-Dichloropropene	<0.250		20.0	17.18		ug/L		86	53 - 130
Dibromomethane	<0.330		20.0	19.94		ug/L		100	59 - 130
Ethylbenzene	<0.310		20.0	18.24		ug/L		91	45 - 130
Iodomethane	<7.00		20.0	17.81		ug/L		89	10 - 150
Methylene Chloride	<1.70		20.0	18.60		ug/L		93	37 - 150
Styrene	<0.370		20.0	19.08		ug/L		95	47 - 130
Tetrachloroethene	<0.480		20.0	18.45		ug/L		92	47 - 130
Toluene	<0.430		20.0	18.03		ug/L		90	51 - 130
trans-1,2-Dichloroethene	<0.270		20.0	19.89		ug/L		99	48 - 130
trans-1,3-Dichloropropene	<0.560		20.0	17.67		ug/L		88	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		20.0	14.45		ug/L		72	26 - 150
Trichloroethene	<0.430		20.0	18.73		ug/L		94	51 - 130
Vinyl acetate	<2.50		40.0	41.60		ug/L		104	29 - 150
Xylenes, Total	<0.400		40.0	37.95		ug/L		95	43 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120

Lab Sample ID: 310-290791-D-3 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433671

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	17.67		ug/L		88	55 - 130	0	20
1,1,1-Trichloroethane	<0.190		20.0	19.30		ug/L		97	52 - 130	2	20
1,1,1,2,2-Tetrachloroethane	<0.470		20.0	18.02		ug/L		90	54 - 130	1	20
1,1,2-Trichloroethane	<0.450		20.0	17.74		ug/L		89	58 - 130	1	20
1,1-Dichloroethane	<0.220		20.0	19.30		ug/L		97	49 - 130	1	20
1,1-Dichloroethene	<0.560		20.0	19.59		ug/L		98	37 - 132	3	26
1,2,3-Trichloropropane	<0.590		20.0	17.97		ug/L		90	49 - 130	2	26
1,2-Dibromo-3-Chloropropane	<1.20		20.0	17.95		ug/L		90	38 - 150	3	20
1,2-Dibromoethane (EDB)	<0.340		20.0	18.63		ug/L		93	60 - 130	1	20
1,2-Dichlorobenzene	<0.370		20.0	18.25		ug/L		91	59 - 130	4	20
1,2-Dichloroethane	<0.390		20.0	18.31		ug/L		92	51 - 130	0	20
1,2-Dichloropropane	<0.270		20.0	19.27		ug/L		96	57 - 130	1	20
1,4-Dichlorobenzene	<0.230		20.0	18.10		ug/L		90	57 - 130	3	20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-290791-D-3 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433671

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Butanone (MEK)	<2.10		40.0	33.22		ug/L		83	38 - 150	1	20
2-Hexanone	<2.00		40.0	33.69		ug/L		84	46 - 140	1	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	32.65		ug/L		82	47 - 139	1	20
Acetone	<3.10		40.0	32.84		ug/L		82	31 - 150	3	29
Acrylonitrile	<2.20		200	193.8		ug/L		97	40 - 150	2	20
Benzene	<0.220		20.0	19.19		ug/L		96	46 - 130	1	20
Bromochloromethane	<0.540		20.0	20.98		ug/L		105	57 - 130	0	20
Bromodichloromethane	<0.390		20.0	19.28		ug/L		96	57 - 130	0	20
Bromoform	<0.780		20.0	18.26		ug/L		91	44 - 130	3	20
Carbon disulfide	<0.450		20.0	19.77		ug/L		99	38 - 135	8	30
Carbon tetrachloride	<0.650		20.0	19.79		ug/L		99	45 - 132	0	20
Chlorobenzene	<0.400		20.0	18.10		ug/L		91	59 - 130	0	20
Chlorodibromomethane	<0.750		20.0	17.51		ug/L		88	54 - 130	1	20
Chloroform	<1.30		20.0	19.37		ug/L		97	51 - 130	2	20
cis-1,2-Dichloroethene	<0.210		20.0	20.31		ug/L		102	45 - 130	0	20
cis-1,3-Dichloropropene	<0.250		20.0	17.07		ug/L		85	53 - 130	1	20
Dibromomethane	<0.330		20.0	19.65		ug/L		98	59 - 130	1	20
Ethylbenzene	<0.310		20.0	17.97		ug/L		90	45 - 130	2	20
Iodomethane	<7.00		20.0	18.33		ug/L		92	10 - 150	3	35
Methylene Chloride	<1.70		20.0	18.27		ug/L		91	37 - 150	2	24
Styrene	<0.370		20.0	18.72		ug/L		94	47 - 130	2	20
Tetrachloroethene	<0.480		20.0	18.37		ug/L		92	47 - 130	0	20
Toluene	<0.430		20.0	17.75		ug/L		89	51 - 130	2	20
trans-1,2-Dichloroethene	<0.270		20.0	19.46		ug/L		97	48 - 130	2	22
trans-1,3-Dichloropropene	<0.560		20.0	18.12		ug/L		91	50 - 130	3	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	15.06		ug/L		75	26 - 150	4	23
Trichloroethene	<0.430		20.0	18.69		ug/L		93	51 - 130	0	20
Vinyl acetate	<2.50		40.0	41.83		ug/L		105	29 - 150	1	23
Xylenes, Total	<0.400		40.0	37.47		ug/L		94	43 - 130	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: MB 310-433703/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433703

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/19/24 22:36	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/19/24 22:36	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/19/24 22:36	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/19/24 22:36	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/19/24 22:36	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/19/24 22:36	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/19/24 22:36	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/19/24 22:36	1

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-433703/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433703

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/19/24 22:36	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/19/24 22:36	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/19/24 22:36	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/19/24 22:36	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/19/24 22:36	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/19/24 22:36	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/19/24 22:36	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/19/24 22:36	1
Acetone	<3.10		10.0	3.10	ug/L			09/19/24 22:36	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/19/24 22:36	1
Benzene	<0.220		0.500	0.220	ug/L			09/19/24 22:36	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/19/24 22:36	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/19/24 22:36	1
Bromoform	<0.780		5.00	0.780	ug/L			09/19/24 22:36	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/19/24 22:36	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/19/24 22:36	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/19/24 22:36	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/19/24 22:36	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/19/24 22:36	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/19/24 22:36	1
Chloroform	<1.30		3.00	1.30	ug/L			09/19/24 22:36	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/19/24 22:36	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/19/24 22:36	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/19/24 22:36	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/19/24 22:36	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/19/24 22:36	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/19/24 22:36	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/19/24 22:36	1
Styrene	<0.370		1.00	0.370	ug/L			09/19/24 22:36	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/19/24 22:36	1
Toluene	<0.430		1.00	0.430	ug/L			09/19/24 22:36	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/19/24 22:36	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/19/24 22:36	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/19/24 22:36	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/19/24 22:36	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/19/24 22:36	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/19/24 22:36	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/19/24 22:36	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/19/24 22:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	112		73 - 130		09/19/24 22:36	1
Toluene-d8 (Surr)	93		80 - 120		09/19/24 22:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/19/24 22:36	1

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-433703/6

Matrix: Water

Analysis Batch: 433703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.68		ug/L		93	71 - 120
1,1,1-Trichloroethane	20.0	20.42		ug/L		102	73 - 129
1,1,2,2-Tetrachloroethane	20.0	18.62		ug/L		93	68 - 124
1,1,2-Trichloroethane	20.0	18.50		ug/L		93	73 - 123
1,1-Dichloroethane	20.0	19.88		ug/L		99	70 - 127
1,1-Dichloroethene	20.0	19.52		ug/L		98	63 - 132
1,2,3-Trichloropropane	20.0	19.17		ug/L		96	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	18.24		ug/L		91	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.42		ug/L		97	75 - 125
1,2-Dichlorobenzene	20.0	18.60		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	19.31		ug/L		97	71 - 125
1,2-Dichloropropane	20.0	20.65		ug/L		103	73 - 124
1,4-Dichlorobenzene	20.0	18.46		ug/L		92	72 - 120
2-Butanone (MEK)	40.0	36.17		ug/L		90	50 - 150
2-Hexanone	40.0	34.22		ug/L		86	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.88		ug/L		85	60 - 139
Acetone	40.0	33.57		ug/L		84	50 - 150
Acrylonitrile	200	204.5		ug/L		102	50 - 150
Benzene	20.0	19.96		ug/L		100	72 - 124
Bromochloromethane	20.0	21.97		ug/L		110	73 - 130
Bromodichloromethane	20.0	20.64		ug/L		103	74 - 122
Bromoform	20.0	19.38		ug/L		97	61 - 122
Carbon disulfide	20.0	18.85		ug/L		94	59 - 135
Carbon tetrachloride	20.0	20.89		ug/L		104	67 - 132
Chlorobenzene	20.0	19.07		ug/L		95	76 - 120
Chlorodibromomethane	20.0	18.58		ug/L		93	71 - 121
Chloroform	20.0	20.42		ug/L		102	72 - 125
cis-1,2-Dichloroethene	20.0	20.68		ug/L		103	74 - 123
cis-1,3-Dichloropropene	20.0	18.29		ug/L		91	71 - 125
Dibromomethane	20.0	20.66		ug/L		103	74 - 125
Ethylbenzene	20.0	18.96		ug/L		95	74 - 122
Iodomethane	20.0	16.07		ug/L		80	10 - 150
Methylene Chloride	20.0	19.33		ug/L		97	50 - 150
Styrene	20.0	19.84		ug/L		99	74 - 121
Tetrachloroethene	20.0	19.82		ug/L		99	71 - 130
Toluene	20.0	18.43		ug/L		92	74 - 123
trans-1,2-Dichloroethene	20.0	19.98		ug/L		100	70 - 126
trans-1,3-Dichloropropene	20.0	19.13		ug/L		96	69 - 123
trans-1,4-Dichloro-2-butene	20.0	15.82		ug/L		79	50 - 150
Trichloroethene	20.0	20.06		ug/L		100	72 - 126
Vinyl acetate	40.0	41.84		ug/L		105	50 - 150
Xylenes, Total	40.0	39.38		ug/L		98	73 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	107		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-433703/7

Matrix: Water

Analysis Batch: 433703

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	9.698		ug/L		48	23 - 150
Chloroethane	20.0	23.23		ug/L		116	54 - 136
Chloromethane	20.0	15.88		ug/L		79	38 - 150
Trichlorofluoromethane	20.0	26.91		ug/L		135	54 - 149
Vinyl chloride	20.0	21.34		ug/L		107	56 - 140

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	112		73 - 130
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: 310-290890-2 MS

Matrix: Water

Analysis Batch: 433703

Client Sample ID: MW-15\_24\_09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.41		ug/L		92	55 - 130
1,1,1-Trichloroethane	<0.190		20.0	18.85		ug/L		94	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		20.0	20.70		ug/L		103	54 - 130
1,1,2-Trichloroethane	<0.450		20.0	18.28		ug/L		91	58 - 130
1,1-Dichloroethane	<0.220		20.0	19.23		ug/L		96	49 - 130
1,1-Dichloroethene	<0.560		20.0	19.37		ug/L		97	37 - 132
1,2,3-Trichloropropane	<0.590		20.0	20.25		ug/L		101	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		20.0	20.07		ug/L		100	38 - 150
1,2-Dibromoethane (EDB)	<0.340		20.0	19.19		ug/L		96	60 - 130
1,2-Dichlorobenzene	<0.370		20.0	19.13		ug/L		96	59 - 130
1,2-Dichloroethane	<0.390		20.0	18.29		ug/L		91	51 - 130
1,2-Dichloropropane	<0.270		20.0	19.53		ug/L		98	57 - 130
1,4-Dichlorobenzene	<0.230		20.0	18.59		ug/L		93	57 - 130
2-Butanone (MEK)	<2.10		40.0	36.00		ug/L		90	38 - 150
2-Hexanone	<2.00		40.0	36.42		ug/L		91	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	36.59		ug/L		91	47 - 139
Acetone	<3.10		40.0	34.59		ug/L		86	31 - 150
Acrylonitrile	<2.20		200	194.0		ug/L		97	40 - 150
Benzene	<0.220		20.0	19.17		ug/L		96	46 - 130
Bromochloromethane	<0.540		20.0	20.12		ug/L		101	57 - 130
Bromodichloromethane	<0.390		20.0	19.14		ug/L		96	57 - 130
Bromoform	<0.780		20.0	20.77		ug/L		104	44 - 130
Carbon disulfide	<0.450		20.0	19.75		ug/L		99	38 - 135
Carbon tetrachloride	<0.650		20.0	19.35		ug/L		97	45 - 132
Chlorobenzene	<0.400		20.0	18.08		ug/L		90	59 - 130
Chlorodibromomethane	<0.750		20.0	18.31		ug/L		92	54 - 130
Chloroform	<1.30		20.0	18.91		ug/L		95	51 - 130
cis-1,2-Dichloroethene	<0.210		20.0	19.76		ug/L		99	45 - 130
cis-1,3-Dichloropropene	<0.250		20.0	17.28		ug/L		86	53 - 130
Dibromomethane	<0.330		20.0	19.61		ug/L		98	59 - 130
Ethylbenzene	<0.310		20.0	17.93		ug/L		90	45 - 130
Iodomethane	<7.00		20.0	13.83		ug/L		69	10 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 310-290890-2 MS**

**Client Sample ID: MW-15\_24\_09**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 433703**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Methylene Chloride	<1.70		20.0	18.10		ug/L		90		37 - 150	
Styrene	<0.370		20.0	19.15		ug/L		96		47 - 130	
Tetrachloroethene	<0.480		20.0	18.04		ug/L		90		47 - 130	
Toluene	<0.430		20.0	17.19		ug/L		86		51 - 130	
trans-1,2-Dichloroethene	<0.270		20.0	19.35		ug/L		97		48 - 130	
trans-1,3-Dichloropropene	<0.560		20.0	18.29		ug/L		91		50 - 130	
trans-1,4-Dichloro-2-butene	<1.10		20.0	17.54		ug/L		88		26 - 150	
Trichloroethene	<0.430		20.0	18.69		ug/L		93		51 - 130	
Vinyl acetate	<2.50		40.0	39.28		ug/L		98		29 - 150	
Xylenes, Total	<0.400		40.0	37.17		ug/L		93		43 - 130	
<b>MS MS</b>											
Surrogate	%Recovery	Qualifier	Limits								
Dibromofluoromethane (Surr)	108		73 - 130								
Toluene-d8 (Surr)	95		80 - 120								
4-Bromofluorobenzene (Surr)	99		80 - 120								

**Lab Sample ID: 310-290890-2 MSD**

**Client Sample ID: MW-15\_24\_09**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 433703**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.40		ug/L		92		55 - 130	0	20
1,1,1-Trichloroethane	<0.190		20.0	18.81		ug/L		94		52 - 130	0	20
1,1,1,2-Tetrachloroethane	<0.470		20.0	20.02		ug/L		100		54 - 130	3	20
1,1,2-Trichloroethane	<0.450		20.0	18.47		ug/L		92		58 - 130	1	20
1,1-Dichloroethane	<0.220		20.0	18.66		ug/L		93		49 - 130	3	20
1,1-Dichloroethene	<0.560		20.0	18.94		ug/L		95		37 - 132	2	26
1,2,3-Trichloropropane	<0.590		20.0	20.21		ug/L		101		49 - 130	0	26
1,2-Dibromo-3-Chloropropane	<1.20		20.0	19.85		ug/L		99		38 - 150	1	20
1,2-Dibromoethane (EDB)	<0.340		20.0	18.48		ug/L		92		60 - 130	4	20
1,2-Dichlorobenzene	<0.370		20.0	19.36		ug/L		97		59 - 130	1	20
1,2-Dichloroethane	<0.390		20.0	18.25		ug/L		91		51 - 130	0	20
1,2-Dichloropropane	<0.270		20.0	18.97		ug/L		95		57 - 130	3	20
1,4-Dichlorobenzene	<0.230		20.0	18.83		ug/L		94		57 - 130	1	20
2-Butanone (MEK)	<2.10		40.0	35.57		ug/L		89		38 - 150	1	20
2-Hexanone	<2.00		40.0	36.85		ug/L		92		46 - 140	1	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	35.93		ug/L		90		47 - 139	2	20
Acetone	<3.10		40.0	33.89		ug/L		85		31 - 150	2	29
Acrylonitrile	<2.20		200	194.9		ug/L		97		40 - 150	0	20
Benzene	<0.220		20.0	18.78		ug/L		94		46 - 130	2	20
Bromochloromethane	<0.540		20.0	20.25		ug/L		101		57 - 130	1	20
Bromodichloromethane	<0.390		20.0	18.81		ug/L		94		57 - 130	2	20
Bromoform	<0.780		20.0	20.39		ug/L		102		44 - 130	2	20
Carbon disulfide	<0.450		20.0	18.43		ug/L		92		38 - 135	7	30
Carbon tetrachloride	<0.650		20.0	19.40		ug/L		97		45 - 132	0	20
Chlorobenzene	<0.400		20.0	17.93		ug/L		90		59 - 130	1	20
Chlorodibromomethane	<0.750		20.0	18.26		ug/L		91		54 - 130	0	20
Chloroform	<1.30		20.0	18.84		ug/L		94		51 - 130	0	20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-290890-2 MSD

Client Sample ID: MW-15\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433703

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
cis-1,2-Dichloroethene	<0.210		20.0	19.46		ug/L		97	45 - 130	2	20
cis-1,3-Dichloropropene	<0.250		20.0	16.65		ug/L		83	53 - 130	4	20
Dibromomethane	<0.330		20.0	19.32		ug/L		97	59 - 130	1	20
Ethylbenzene	<0.310		20.0	17.76		ug/L		89	45 - 130	1	20
Iodomethane	<7.00		20.0	13.72		ug/L		69	10 - 150	1	35
Methylene Chloride	<1.70		20.0	17.72		ug/L		89	37 - 150	2	24
Styrene	<0.370		20.0	19.00		ug/L		95	47 - 130	1	20
Tetrachloroethene	<0.480		20.0	17.94		ug/L		90	47 - 130	1	20
Toluene	<0.430		20.0	17.03		ug/L		85	51 - 130	1	20
trans-1,2-Dichloroethene	<0.270		20.0	18.86		ug/L		94	48 - 130	3	22
trans-1,3-Dichloropropene	<0.560		20.0	17.93		ug/L		90	50 - 130	2	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	17.64		ug/L		88	26 - 150	1	23
Trichloroethene	<0.430		20.0	18.48		ug/L		92	51 - 130	1	20
Vinyl acetate	<2.50		40.0	37.00		ug/L		92	29 - 150	6	23
Xylenes, Total	<0.400		40.0	37.04		ug/L		93	43 - 130	0	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

Lab Sample ID: MB 310-434105/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434105

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 12:24	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 12:24	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 12:24	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 12:24	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 12:24	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 12:24	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 12:24	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 12:24	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 12:24	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 12:24	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 12:24	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 12:24	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 12:24	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 12:24	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 12:24	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 12:24	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 12:24	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 12:24	1
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 12:24	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 12:24	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 12:24	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 12:24	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-434105/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434105

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 12:24	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 12:24	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 12:24	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 12:24	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 12:24	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 12:24	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 12:24	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 12:24	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 12:24	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 12:24	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 12:24	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 12:24	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 12:24	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 12:24	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 12:24	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 12:24	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 12:24	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 12:24	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 12:24	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 12:24	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 12:24	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 12:24	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 12:24	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 12:24	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 12:24	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	104		73 - 130		09/24/24 12:24	1
Toluene-d8 (Surr)	91		80 - 120		09/24/24 12:24	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/24/24 12:24	1

Lab Sample ID: LCS 310-434105/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.68		ug/L		98	73 - 129
1,1,1,2,2-Tetrachloroethane	20.0	21.69		ug/L		108	68 - 124
1,1,2-Trichloroethane	20.0	21.08		ug/L		105	73 - 123
1,1-Dichloroethane	20.0	19.77		ug/L		99	70 - 127
1,1-Dichloroethene	20.0	19.34		ug/L		97	63 - 132
1,2,3-Trichloropropane	20.0	21.84		ug/L		109	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	21.20		ug/L		106	50 - 150
1,2-Dibromoethane (EDB)	20.0	20.68		ug/L		103	75 - 125
1,2-Dichlorobenzene	20.0	19.92		ug/L		100	74 - 120
1,2-Dichloroethane	20.0	19.92		ug/L		100	71 - 125
1,2-Dichloropropane	20.0	21.42		ug/L		107	73 - 124

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 310-434105/6**  
**Matrix: Water**  
**Analysis Batch: 434105**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	20.0	19.43		ug/L		97	72 - 120
2-Butanone (MEK)	40.0	44.65		ug/L		112	50 - 150
2-Hexanone	40.0	45.56		ug/L		114	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.01		ug/L		105	60 - 139
Acetone	40.0	37.74		ug/L		94	50 - 150
Acrylonitrile	200	218.9		ug/L		109	50 - 150
Benzene	20.0	20.30		ug/L		101	72 - 124
Bromochloromethane	20.0	20.99		ug/L		105	73 - 130
Bromodichloromethane	20.0	20.97		ug/L		105	74 - 122
Bromoform	20.0	22.60		ug/L		113	61 - 122
Carbon disulfide	20.0	18.66		ug/L		93	59 - 135
Carbon tetrachloride	20.0	20.24		ug/L		101	67 - 132
Chlorobenzene	20.0	19.22		ug/L		96	76 - 120
Chlorodibromomethane	20.0	19.91		ug/L		100	71 - 121
Chloroform	20.0	19.81		ug/L		99	72 - 125
cis-1,2-Dichloroethene	20.0	20.28		ug/L		101	74 - 123
cis-1,3-Dichloropropene	20.0	20.29		ug/L		101	71 - 125
Dibromomethane	20.0	21.16		ug/L		106	74 - 125
Ethylbenzene	20.0	19.49		ug/L		97	74 - 122
Iodomethane	20.0	8.797	J	ug/L		44	10 - 150
Methylene Chloride	20.0	19.04		ug/L		95	50 - 150
Styrene	20.0	20.48		ug/L		102	74 - 121
Tetrachloroethene	20.0	19.20		ug/L		96	71 - 130
Toluene	20.0	18.68		ug/L		93	74 - 123
trans-1,2-Dichloroethene	20.0	19.62		ug/L		98	70 - 126
trans-1,3-Dichloropropene	20.0	21.32		ug/L		107	69 - 123
trans-1,4-Dichloro-2-butene	20.0	23.37		ug/L		117	50 - 150
Trichloroethene	20.0	20.11		ug/L		101	72 - 126
Vinyl acetate	40.0	47.44		ug/L		119	50 - 150
Xylenes, Total	40.0	39.62		ug/L		99	73 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	103		73 - 130
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

**Lab Sample ID: LCS 310-434105/7**  
**Matrix: Water**  
**Analysis Batch: 434105**

**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	16.79		ug/L		84	23 - 150
Chloroethane	20.0	25.79		ug/L		129	54 - 136
Chloromethane	20.0	18.47		ug/L		92	38 - 150
Trichlorofluoromethane	20.0	28.17		ug/L		141	54 - 149
Vinyl chloride	20.0	25.13		ug/L		126	56 - 140



# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-434105/7

Matrix: Water

Analysis Batch: 434105

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	104		73 - 130
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

Lab Sample ID: 310-290890-3 MS

Matrix: Water

Analysis Batch: 434105

Client Sample ID: MW-18\_24\_09

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1,2-Tetrachloroethane	<0.380		20.0	16.54		ug/L		83	55 - 130
1,1,1,1-Trichloroethane	<0.190		20.0	17.61		ug/L		88	52 - 130
1,1,1,2,2-Tetrachloroethane	<0.470		20.0	16.01		ug/L		80	54 - 130
1,1,1,2-Trichloroethane	<0.450		20.0	16.86		ug/L		84	58 - 130
1,1-Dichloroethane	<0.220		20.0	18.01		ug/L		90	49 - 130
1,1-Dichloroethene	<0.560		20.0	17.40		ug/L		87	37 - 132
1,2,3-Trichloropropane	<0.590		20.0	17.11		ug/L		86	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		20.0	16.06		ug/L		80	38 - 150
1,2-Dibromoethane (EDB)	<0.340		20.0	17.76		ug/L		89	60 - 130
1,2-Dichlorobenzene	<0.370		20.0	15.50		ug/L		77	59 - 130
1,2-Dichloroethane	<0.390		20.0	17.72		ug/L		89	51 - 130
1,2-Dichloropropane	<0.270		20.0	19.14		ug/L		96	57 - 130
1,4-Dichlorobenzene	<0.230		20.0	16.19		ug/L		81	57 - 130
2-Butanone (MEK)	<2.10		40.0	36.68		ug/L		92	38 - 150
2-Hexanone	<2.00		40.0	34.20		ug/L		85	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	36.86		ug/L		92	47 - 139
Acetone	<3.10		40.0	30.56		ug/L		76	31 - 150
Acrylonitrile	<2.20		200	181.7		ug/L		91	40 - 150
Benzene	0.233	J	20.0	18.47		ug/L		91	46 - 130
Bromochloromethane	<0.540		20.0	19.35		ug/L		97	57 - 130
Bromodichloromethane	<0.390		20.0	18.35		ug/L		92	57 - 130
Bromoform	<0.780		20.0	15.98		ug/L		80	44 - 130
Carbon disulfide	<0.450		20.0	17.80		ug/L		89	38 - 135
Carbon tetrachloride	<0.650		20.0	17.73		ug/L		89	45 - 132
Chlorobenzene	<0.400		20.0	16.37		ug/L		82	59 - 130
Chlorodibromomethane	<0.750		20.0	16.06		ug/L		80	54 - 130
Chloroform	<1.30		20.0	18.08		ug/L		90	51 - 130
cis-1,2-Dichloroethene	<0.210		20.0	18.59		ug/L		93	45 - 130
cis-1,3-Dichloropropene	<0.250		20.0	16.73		ug/L		84	53 - 130
Dibromomethane	<0.330		20.0	18.74		ug/L		94	59 - 130
Ethylbenzene	<0.310		20.0	16.21		ug/L		81	45 - 130
Iodomethane	<7.00		20.0	11.26		ug/L		56	10 - 150
Methylene Chloride	<1.70		20.0	17.06		ug/L		85	37 - 150
Styrene	<0.370		20.0	16.43		ug/L		82	47 - 130
Tetrachloroethene	<0.480		20.0	16.30		ug/L		81	47 - 130
Toluene	<0.430		20.0	16.59		ug/L		83	51 - 130
trans-1,2-Dichloroethene	<0.270		20.0	17.93		ug/L		90	48 - 130
trans-1,3-Dichloropropene	<0.560		20.0	20.02		ug/L		100	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		20.0	17.93		ug/L		90	26 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 310-290890-3 MS**

**Client Sample ID: MW-18\_24\_09**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 434105**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Trichloroethene	<0.430		20.0	17.69		ug/L		88	51 - 130
Vinyl acetate	<2.50		40.0	37.41		ug/L		94	29 - 150
Xylenes, Total	<0.400		40.0	33.55		ug/L		84	43 - 130
<b>MS MS</b>									
Surrogate	%Recovery	Qualifier	Limits						
Dibromofluoromethane (Surr)	106		73 - 130						
Toluene-d8 (Surr)	94		80 - 120						
4-Bromofluorobenzene (Surr)	95		80 - 120						

**Lab Sample ID: 310-290890-3 MSD**

**Client Sample ID: MW-18\_24\_09**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 434105**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	<0.380		20.0	16.01		ug/L		80	55 - 130	3	20
1,1,1,1-Trichloroethane	<0.190		20.0	17.22		ug/L		86	52 - 130	2	20
1,1,1,2,2-Tetrachloroethane	<0.470		20.0	17.36		ug/L		87	54 - 130	8	20
1,1,1,2-Trichloroethane	<0.450		20.0	17.23		ug/L		86	58 - 130	2	20
1,1-Dichloroethane	<0.220		20.0	17.43		ug/L		87	49 - 130	3	20
1,1-Dichloroethane	<0.560		20.0	16.50		ug/L		82	37 - 132	5	26
1,2,3-Trichloropropane	<0.590		20.0	17.68		ug/L		88	49 - 130	3	26
1,2-Dibromo-3-Chloropropane	<1.20		20.0	16.73		ug/L		84	38 - 150	4	20
1,2-Dibromoethane (EDB)	<0.340		20.0	17.88		ug/L		89	60 - 130	1	20
1,2-Dichlorobenzene	<0.370		20.0	16.39		ug/L		82	59 - 130	6	20
1,2-Dichloroethane	<0.390		20.0	17.33		ug/L		87	51 - 130	2	20
1,2-Dichloropropane	<0.270		20.0	18.56		ug/L		93	57 - 130	3	20
1,4-Dichlorobenzene	<0.230		20.0	17.21		ug/L		86	57 - 130	6	20
2-Butanone (MEK)	<2.10		40.0	35.79		ug/L		89	38 - 150	2	20
2-Hexanone	<2.00		40.0	36.94		ug/L		92	46 - 140	8	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	37.75		ug/L		94	47 - 139	2	20
Acetone	<3.10		40.0	30.19		ug/L		75	31 - 150	1	29
Acrylonitrile	<2.20		200	179.3		ug/L		90	40 - 150	1	20
Benzene	0.233	J	20.0	18.17		ug/L		90	46 - 130	2	20
Bromochloromethane	<0.540		20.0	17.98		ug/L		90	57 - 130	7	20
Bromodichloromethane	<0.390		20.0	18.21		ug/L		91	57 - 130	1	20
Bromoform	<0.780		20.0	16.63		ug/L		83	44 - 130	4	20
Carbon disulfide	<0.450		20.0	16.04		ug/L		80	38 - 135	10	30
Carbon tetrachloride	<0.650		20.0	17.46		ug/L		87	45 - 132	2	20
Chlorobenzene	<0.400		20.0	16.61		ug/L		83	59 - 130	1	20
Chlorodibromomethane	<0.750		20.0	16.30		ug/L		82	54 - 130	2	20
Chloroform	<1.30		20.0	17.49		ug/L		87	51 - 130	3	20
cis-1,2-Dichloroethene	<0.210		20.0	17.95		ug/L		90	45 - 130	4	20
cis-1,3-Dichloropropene	<0.250		20.0	16.77		ug/L		84	53 - 130	0	20
Dibromomethane	<0.330		20.0	18.08		ug/L		90	59 - 130	4	20
Ethylbenzene	<0.310		20.0	16.13		ug/L		81	45 - 130	0	20
Iodomethane	<7.00		20.0	11.13		ug/L		56	10 - 150	1	35
Methylene Chloride	<1.70		20.0	16.36		ug/L		82	37 - 150	4	24
Styrene	<0.370		20.0	16.60		ug/L		83	47 - 130	1	20

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 310-290890-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 434105**

**Client Sample ID: MW-18\_24\_09**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Tetrachloroethene	<0.480		20.0	16.08		ug/L		80	47 - 130	1	20
Toluene	<0.430		20.0	16.40		ug/L		82	51 - 130	1	20
trans-1,2-Dichloroethene	<0.270		20.0	16.96		ug/L		85	48 - 130	6	22
trans-1,3-Dichloropropene	<0.560		20.0	19.52		ug/L		98	50 - 130	3	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	18.76		ug/L		94	26 - 150	5	23
Trichloroethene	<0.430		20.0	17.16		ug/L		86	51 - 130	3	20
Vinyl acetate	<2.50		40.0	37.23		ug/L		93	29 - 150	0	23
Xylenes, Total	<0.400		40.0	33.34		ug/L		83	43 - 130	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	105		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: LB 310-433433/1-D**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 433983**

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
beta-BHC	<0.0392		0.0933	0.0392	ug/L		09/23/24 13:13	09/30/24 14:15	1
gamma-BHC (Lindane)	<0.00933		0.0933	0.00933	ug/L		09/23/24 13:13	09/30/24 14:15	1
Heptachlor	<0.0215		0.0933	0.0215	ug/L		09/23/24 13:13	09/30/24 14:15	1

Surrogate	LB	LB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	77		10 - 136	09/23/24 13:13	09/30/24 14:15	1
Tetrachloro-m-xylene (Surr)	81		10 - 130	09/23/24 13:13	09/30/24 14:15	1

**Lab Sample ID: MB 310-433983/1-A**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 433983**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
beta-BHC	<0.0412		0.0980	0.0412	ug/L		09/23/24 13:13	09/30/24 13:51	1
gamma-BHC (Lindane)	<0.00980		0.0980	0.00980	ug/L		09/23/24 13:13	09/30/24 13:51	1
Heptachlor	<0.0225		0.0980	0.0225	ug/L		09/23/24 13:13	09/30/24 13:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	119		10 - 136	09/23/24 13:13	09/30/24 13:51	1
Tetrachloro-m-xylene (Surr)	86		10 - 130	09/23/24 13:13	09/30/24 13:51	1

**Lab Sample ID: LCS 310-433983/3-A**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 433983**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
beta-BHC	2.84	3.032		ug/L		107	37 - 136

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## QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

### Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 310-433983/3-A**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 433983**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
gamma-BHC (Lindane)	2.84	3.140		ug/L		111	36 - 132	
Heptachlor	2.84	2.784		ug/L		98	27 - 120	
<b>Surrogate</b>								
		<b>LCS</b>	<b>LCS</b>				<b>Qualifier</b>	<b>Limits</b>
		<b>%Recovery</b>						
DCB Decachlorobiphenyl (Surr)		131						10 - 136
Tetrachloro-m-xylene (Surr)		99						10 - 130

**Lab Sample ID: 310-289965-C-1-G MS**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 433983**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
beta-BHC	<0.0383		2.57	3.026		ug/L		118	37 - 136	
gamma-BHC (Lindane)	<0.00911		2.57	3.147		ug/L		122	36 - 132	
Heptachlor	<0.0210		2.57	2.553		ug/L		99	27 - 120	
<b>Surrogate</b>										
		<b>MS</b>	<b>MS</b>						<b>Qualifier</b>	<b>Limits</b>
		<b>%Recovery</b>								
DCB Decachlorobiphenyl (Surr)		113								10 - 136
Tetrachloro-m-xylene (Surr)		90								10 - 130

**Lab Sample ID: 310-289965-C-1-H MSD**  
**Matrix: Water**  
**Analysis Batch: 434676**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 433983**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
beta-BHC	<0.0383		2.57	2.888		ug/L		112	37 - 136	5	35	
gamma-BHC (Lindane)	<0.00911		2.57	2.999		ug/L		117	36 - 132	5	35	
Heptachlor	<0.0210		2.57	2.296		ug/L		89	27 - 120	11	35	
<b>Surrogate</b>												
		<b>MSD</b>	<b>MSD</b>						<b>Qualifier</b>	<b>Limits</b>		
		<b>%Recovery</b>										
DCB Decachlorobiphenyl (Surr)		108										10 - 136
Tetrachloro-m-xylene (Surr)		97										10 - 130

### Method: 8151A - Herbicides (GC)

**Lab Sample ID: MB 500-787236/1-A**  
**Matrix: Water**  
**Analysis Batch: 787537**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787236**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-TP	<0.334		4.00	0.334	ug/L		09/23/24 07:53	09/24/24 16:27	1
<b>Surrogate</b>									
		<b>MB</b>	<b>MB</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
		<b>%Recovery</b>							
DCAA		71					09/23/24 07:53	09/24/24 16:27	1

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 8151A - Herbicides (GC) (Continued)

**Lab Sample ID: LCS 500-787236/2-A**  
**Matrix: Water**  
**Analysis Batch: 787537**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787236**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D	40.2	36.22		ug/L		90	30 - 115		
2,4,5-TP	10.0	8.753		ug/L		88	32 - 115		
		<b>LCS</b>	<b>LCS</b>						
Surrogate	%Recovery	Qualifier	Limits						
DCAA	83		25 - 130						

**Lab Sample ID: LCSD 500-787236/3-A**  
**Matrix: Water**  
**Analysis Batch: 787537**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787236**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
									RPD	Limit
2,4-D	40.2	35.73		ug/L		89	30 - 115		1	20
2,4,5-TP	10.0	8.559		ug/L		86	32 - 115		2	20
		<b>LCSD</b>	<b>LCSD</b>							
Surrogate	%Recovery	Qualifier	Limits							
DCAA	83		25 - 130							

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 310-433716/1-A**  
**Matrix: Water**  
**Analysis Batch: 435065**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00100		0.00200	0.00100	mg/L		09/20/24 09:00	10/02/24 18:59	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/20/24 09:00	10/02/24 18:59	1
Barium	<0.000660		0.00200	0.000660	mg/L		09/20/24 09:00	10/02/24 18:59	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/20/24 09:00	10/02/24 18:59	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/20/24 09:00	10/02/24 18:59	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/20/24 09:00	10/02/24 18:59	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/20/24 09:00	10/02/24 18:59	1
Copper	0.002040	J	0.00500	0.00180	mg/L		09/20/24 09:00	10/02/24 18:59	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/20/24 09:00	10/02/24 18:59	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/20/24 09:00	10/02/24 18:59	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/20/24 09:00	10/02/24 18:59	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/20/24 09:00	10/02/24 18:59	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/20/24 09:00	10/02/24 18:59	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/20/24 09:00	10/02/24 18:59	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/20/24 09:00	10/02/24 18:59	1

**Lab Sample ID: MB 310-433716/1-A**  
**Matrix: Water**  
**Analysis Batch: 435215**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	0.002033	J	0.00500	0.00180	mg/L		09/20/24 09:00	10/03/24 14:43	1

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: MB 310-433716/1-A**  
**Matrix: Water**  
**Analysis Batch: 435360**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.001983	J	0.00500	0.00180	mg/L		09/20/24 09:00	10/04/24 16:48	1

**Lab Sample ID: LCS 310-433716/2-A**  
**Matrix: Water**  
**Analysis Batch: 435065**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2279		mg/L		114	80 - 120
Arsenic	0.200	0.2143		mg/L		107	80 - 120
Barium	0.100	0.1034		mg/L		103	80 - 120
Beryllium	0.100	0.09353		mg/L		94	80 - 120
Cadmium	0.100	0.1013		mg/L		101	80 - 120
Chromium	0.100	0.09192		mg/L		92	80 - 120
Cobalt	0.100	0.1097		mg/L		110	80 - 120
Copper	0.200	0.2090		mg/L		105	80 - 120
Lead	0.200	0.2087		mg/L		104	80 - 120
Nickel	0.200	0.2065		mg/L		103	80 - 120
Selenium	0.400	0.4061		mg/L		102	80 - 120
Silver	0.100	0.1038	^1+	mg/L		104	80 - 120
Thallium	0.100	0.09233		mg/L		92	80 - 120
Vanadium	0.100	0.09368		mg/L		94	80 - 120
Zinc	0.200	0.1894		mg/L		95	80 - 120

**Lab Sample ID: 310-290890-1 MS**  
**Matrix: Water**  
**Analysis Batch: 435065**

**Client Sample ID: MW-9AR\_24\_09**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.2165		mg/L		108	75 - 125
Arsenic	0.00208		0.200	0.2105		mg/L		104	75 - 125
Barium	0.464		0.100	0.5406	4	mg/L		76	75 - 125
Beryllium	<0.000330		0.100	0.09670		mg/L		97	75 - 125
Cadmium	<0.000100		0.100	0.09903		mg/L		99	75 - 125
Chromium	<0.00120		0.100	0.08775		mg/L		88	75 - 125
Cobalt	0.000224	J	0.100	0.09969		mg/L		99	75 - 125
Copper	<0.00180		0.200	0.1837		mg/L		92	75 - 125
Lead	<0.000260		0.200	0.1841		mg/L		92	75 - 125
Nickel	<0.00210		0.200	0.1849		mg/L		92	75 - 125
Selenium	<0.00140		0.400	0.3996		mg/L		100	75 - 125
Silver	<0.000500		0.100	0.09279		mg/L		93	75 - 125
Thallium	<0.000570		0.100	0.08606		mg/L		86	75 - 125
Vanadium	<0.00110		0.100	0.09848		mg/L		98	75 - 125
Zinc	<0.00970		0.200	0.1923		mg/L		96	75 - 125

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 310-290890-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 435065**

**Client Sample ID: MW-9AR\_24\_09**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Antimony	<0.00100		0.200	0.2251		mg/L		113	75 - 125	4	20
Arsenic	0.00208		0.200	0.2205		mg/L		109	75 - 125	5	20
Barium	0.464		0.100	0.5603	4	mg/L		96	75 - 125	4	20
Beryllium	<0.000330		0.100	0.09897		mg/L		99	75 - 125	2	20
Cadmium	<0.000100		0.100	0.1034		mg/L		103	75 - 125	4	20
Chromium	<0.00120		0.100	0.09234		mg/L		92	75 - 125	5	20
Cobalt	0.000224	J	0.100	0.1038		mg/L		104	75 - 125	4	20
Copper	<0.00180		0.200	0.1910		mg/L		96	75 - 125	4	20
Lead	<0.000260		0.200	0.1931		mg/L		97	75 - 125	5	20
Nickel	<0.00210		0.200	0.1910		mg/L		95	75 - 125	3	20
Selenium	<0.00140		0.400	0.4179		mg/L		104	75 - 125	4	20
Silver	<0.000500		0.100	0.09573		mg/L		96	75 - 125	3	20
Thallium	<0.000570		0.100	0.09288		mg/L		93	75 - 125	8	20
Vanadium	<0.00110		0.100	0.1060		mg/L		106	75 - 125	7	20
Zinc	<0.00970		0.200	0.2029		mg/L		101	75 - 125	5	20

**Lab Sample ID: 310-290890-11 DU**  
**Matrix: Water**  
**Analysis Batch: 435065**

**Client Sample ID: MW-501\_24\_09**  
**Prep Type: Total/NA**  
**Prep Batch: 433716**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	<0.000530		<0.000530		mg/L		NC	20
Barium	0.0180		0.01798		mg/L		0.2	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	0.000314		0.0002990		mg/L		5	20
Chromium	<0.00120		<0.00120		mg/L		NC	20
Cobalt	0.0131		0.01312		mg/L		0.2	20
Copper	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000260		<0.000260		mg/L		NC	20
Nickel	0.0415		0.04125		mg/L		0.5	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00110		<0.00110		mg/L		NC	20
Zinc	0.0255		0.02581		mg/L		1	20

**Lab Sample ID: MB 310-435455/1-A**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00100		0.00200	0.00100	mg/L		10/08/24 09:30	10/08/24 19:46	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/08/24 09:30	10/08/24 19:46	1
Barium	<0.000660		0.00200	0.000660	mg/L		10/08/24 09:30	10/08/24 19:46	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/08/24 09:30	10/08/24 19:46	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/08/24 09:30	10/08/24 19:46	1
Chromium	<0.00120		0.00500	0.00120	mg/L		10/08/24 09:30	10/08/24 19:46	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/08/24 09:30	10/08/24 19:46	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: MB 310-435455/1-A**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	<0.00180		0.00500	0.00180	mg/L		10/08/24 09:30	10/08/24 19:46	1
Lead	<0.000260		0.000500	0.000260	mg/L		10/08/24 09:30	10/08/24 19:46	1
Nickel	<0.00210		0.00500	0.00210	mg/L		10/08/24 09:30	10/08/24 19:46	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/08/24 09:30	10/08/24 19:46	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		10/08/24 09:30	10/08/24 19:46	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/08/24 09:30	10/08/24 19:46	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		10/08/24 09:30	10/08/24 19:46	1
Zinc	<0.00970		0.0200	0.00970	mg/L		10/08/24 09:30	10/08/24 19:46	1

**Lab Sample ID: LCS 310-435455/2-A**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Antimony	0.200	0.2242		mg/L		112	80 - 120
Arsenic	0.200	0.2134		mg/L		107	80 - 120
Barium	0.100	0.1044		mg/L		104	80 - 120
Beryllium	0.100	0.09620		mg/L		96	80 - 120
Cadmium	0.100	0.1030		mg/L		103	80 - 120
Chromium	0.100	0.09675		mg/L		97	80 - 120
Cobalt	0.100	0.1109		mg/L		111	80 - 120
Copper	0.200	0.2149		mg/L		107	80 - 120
Lead	0.200	0.2115		mg/L		106	80 - 120
Nickel	0.200	0.2054		mg/L		103	80 - 120
Selenium	0.400	0.3967		mg/L		99	80 - 120
Silver	0.100	0.1101	^1+	mg/L		110	80 - 120
Thallium	0.100	0.09165		mg/L		92	80 - 120
Vanadium	0.100	0.09173		mg/L		92	80 - 120
Zinc	0.200	0.1912		mg/L		96	80 - 120

**Lab Sample ID: 310-292000-A-20-B MS**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				Limits
Antimony	<0.00100		0.200	0.2355		mg/L		118	75 - 125
Arsenic	0.000973	J	0.200	0.2241		mg/L		112	75 - 125
Barium	0.194		0.100	0.3074		mg/L		113	75 - 125
Beryllium	<0.000330		0.100	0.1038		mg/L		104	75 - 125
Cadmium	<0.000100		0.100	0.1023		mg/L		102	75 - 125
Chromium	0.00217	J	0.100	0.1005		mg/L		98	75 - 125
Cobalt	0.00515		0.100	0.1157		mg/L		111	75 - 125
Copper	<0.00180		0.200	0.2179		mg/L		109	75 - 125
Lead	<0.000260		0.200	0.2067		mg/L		103	75 - 125
Nickel	<0.00210		0.200	0.2075		mg/L		104	75 - 125
Selenium	0.00145	J	0.400	0.4225		mg/L		105	75 - 125
Silver	<0.000500	^1+	0.100	0.1118	^1+	mg/L		112	75 - 125
Thallium	<0.000570		0.100	0.08867		mg/L		89	75 - 125
Vanadium	0.00192	J	0.100	0.09613		mg/L		94	75 - 125

Eurofins Cedar Falls



# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 310-292000-A-20-B MS**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	<0.00970		0.200	0.2034		mg/L		102	75 - 125

**Lab Sample ID: 310-292000-A-20-C MSD**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2347		mg/L		117	75 - 125	0	20
Arsenic	0.000973	J	0.200	0.2215		mg/L		110	75 - 125	1	20
Barium	0.194		0.100	0.3030		mg/L		109	75 - 125	1	20
Beryllium	<0.000330		0.100	0.1044		mg/L		104	75 - 125	1	20
Cadmium	<0.000100		0.100	0.1035		mg/L		104	75 - 125	1	20
Chromium	0.00217	J	0.100	0.09921		mg/L		97	75 - 125	1	20
Cobalt	0.00515		0.100	0.1167		mg/L		112	75 - 125	1	20
Copper	<0.00180		0.200	0.2134		mg/L		107	75 - 125	2	20
Lead	<0.000260		0.200	0.2119		mg/L		106	75 - 125	2	20
Nickel	<0.00210		0.200	0.2057		mg/L		103	75 - 125	1	20
Selenium	0.00145	J	0.400	0.4169		mg/L		104	75 - 125	1	20
Silver	<0.000500	^1+	0.100	0.1131	^1+	mg/L		113	75 - 125	1	20
Thallium	<0.000570		0.100	0.08969		mg/L		90	75 - 125	1	20
Vanadium	0.00192	J	0.100	0.09516		mg/L		93	75 - 125	1	20
Zinc	<0.00970		0.200	0.2030		mg/L		101	75 - 125	0	20

**Lab Sample ID: 310-290890-7 DU**  
**Matrix: Water**  
**Analysis Batch: 435613**

**Client Sample ID: MW-300\_24\_09**  
**Prep Type: Total/NA**  
**Prep Batch: 435455**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Copper	0.00197	J	0.001979	J	mg/L		0.6	20

## Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

**Lab Sample ID: MB 500-787196/1-A**  
**Matrix: Water**  
**Analysis Batch: 787197**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787196**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		09/22/24 18:00	09/22/24 20:45	1

**Lab Sample ID: LCS 500-787196/2-A**  
**Matrix: Water**  
**Analysis Batch: 787197**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787196**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.64	3.568		mg/L		98	80 - 120

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 310-290890-1 MS  
 Matrix: Water  
 Analysis Batch: 787197

Client Sample ID: MW-9AR\_24\_09  
 Prep Type: Total/NA  
 Prep Batch: 787196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.231		9.09	9.480		mg/L		104	75 - 125

Lab Sample ID: 310-290890-1 MSD  
 Matrix: Water  
 Analysis Batch: 787197

Client Sample ID: MW-9AR\_24\_09  
 Prep Type: Total/NA  
 Prep Batch: 787196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Sulfide	<0.231		9.09	9.040		mg/L		99	75 - 125	5	20

## Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-433696/1  
 Matrix: Water  
 Analysis Batch: 433696

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	<3.70		5.00	3.70	mg/L			09/19/24 12:15	1

Lab Sample ID: LCS 310-433696/2  
 Matrix: Water  
 Analysis Batch: 433696

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	116.0		mg/L		116	81 - 116

Lab Sample ID: 310-290880-A-2 DU  
 Matrix: Water  
 Analysis Batch: 433696

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	604		576.0		mg/L		5	35

Lab Sample ID: MB 310-433700/1  
 Matrix: Water  
 Analysis Batch: 433700

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	<3.70		5.00	3.70	mg/L			09/19/24 13:08	1

Lab Sample ID: LCS 310-433700/2  
 Matrix: Water  
 Analysis Batch: 433700

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	95.00		mg/L		95	81 - 116

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

## Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: 310-290890-8 DU

Matrix: Water

Analysis Batch: 433700

Client Sample ID: MW-301\_24\_09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	35.0		31.00		mg/L		12	35

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# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## GC/MS VOA

### Analysis Batch: 433671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	8260D	
310-290890-16	MW-204A_24_09	Total/NA	Water	8260D	
310-290890-17	MW-204B_24_09	Total/NA	Water	8260D	
310-290890-18	MW-214_24_09	Total/NA	Water	8260D	
310-290890-19	MW-215_24_09	Total/NA	Water	8260D	
MB 310-433671/5	Method Blank	Total/NA	Water	8260D	
LCS 310-433671/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-433671/7	Lab Control Sample	Total/NA	Water	8260D	
310-290791-D-3 MS	Matrix Spike	Total/NA	Water	8260D	
310-290791-D-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 433703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-2	MW-15_24_09	Total/NA	Water	8260D	
310-290890-3	MW-18_24_09	Total/NA	Water	8260D	
310-290890-4	MW-19_24_09	Total/NA	Water	8260D	
310-290890-5	MW-20_24_09	Total/NA	Water	8260D	
310-290890-6	MW-201B_24_09	Total/NA	Water	8260D	
310-290890-7	MW-300_24_09	Total/NA	Water	8260D	
310-290890-8	MW-301_24_09	Total/NA	Water	8260D	
310-290890-9	MW-303_24_09	Total/NA	Water	8260D	
310-290890-10	MW-304R_24_09	Total/NA	Water	8260D	
310-290890-11	MW-501_24_09	Total/NA	Water	8260D	
310-290890-12	FD-1_24_09	Total/NA	Water	8260D	
310-290890-13	FD-2_24_09	Total/NA	Water	8260D	
310-290890-14	FB-1_24_09	Total/NA	Water	8260D	
310-290890-15	TB-1_24_09	Total/NA	Water	8260D	
310-290890-20	MW-218_24_09	Total/NA	Water	8260D	
MB 310-433703/5	Method Blank	Total/NA	Water	8260D	
LCS 310-433703/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-433703/7	Lab Control Sample	Total/NA	Water	8260D	
310-290890-2 MS	MW-15_24_09	Total/NA	Water	8260D	
310-290890-2 MSD	MW-15_24_09	Total/NA	Water	8260D	

### Analysis Batch: 434105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-2	MW-15_24_09	Total/NA	Water	8260D	
310-290890-3	MW-18_24_09	Total/NA	Water	8260D	
310-290890-4	MW-19_24_09	Total/NA	Water	8260D	
310-290890-5	MW-20_24_09	Total/NA	Water	8260D	
310-290890-6	MW-201B_24_09	Total/NA	Water	8260D	
310-290890-7	MW-300_24_09	Total/NA	Water	8260D	
310-290890-8	MW-301_24_09	Total/NA	Water	8260D	
310-290890-9	MW-303_24_09	Total/NA	Water	8260D	
310-290890-10	MW-304R_24_09	Total/NA	Water	8260D	
310-290890-11	MW-501_24_09	Total/NA	Water	8260D	
310-290890-12	FD-1_24_09	Total/NA	Water	8260D	
310-290890-13	FD-2_24_09	Total/NA	Water	8260D	
310-290890-14	FB-1_24_09	Total/NA	Water	8260D	
310-290890-15	TB-1_24_09	Total/NA	Water	8260D	
310-290890-20	MW-218_24_09	Total/NA	Water	8260D	

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## GC/MS VOA (Continued)

### Analysis Batch: 434105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-434105/5	Method Blank	Total/NA	Water	8260D	
LCS 310-434105/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-434105/7	Lab Control Sample	Total/NA	Water	8260D	
310-290890-3 MS	MW-18_24_09	Total/NA	Water	8260D	
310-290890-3 MSD	MW-18_24_09	Total/NA	Water	8260D	

## GC Semi VOA

### Leach Batch: 433433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-433433/1-D	Method Blank	Total/NA	Water	1311	
310-289965-C-1-G MS	Matrix Spike	TCLP	Water	1311	
310-289965-C-1-H MSD	Matrix Spike Duplicate	TCLP	Water	1311	

### Prep Batch: 433983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	3511	
310-290890-6	MW-201B_24_09	Total/NA	Water	3511	
310-290890-9	MW-303_24_09	Total/NA	Water	3511	
310-290890-14	FB-1_24_09	Total/NA	Water	3511	
LB 310-433433/1-D	Method Blank	Total/NA	Water	3511	433433
MB 310-433983/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-433983/3-A	Lab Control Sample	Total/NA	Water	3511	
310-289965-C-1-G MS	Matrix Spike	TCLP	Water	3511	433433
310-289965-C-1-H MSD	Matrix Spike Duplicate	TCLP	Water	3511	433433

### Analysis Batch: 434676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	8081B	433983
310-290890-6	MW-201B_24_09	Total/NA	Water	8081B	433983
310-290890-9	MW-303_24_09	Total/NA	Water	8081B	433983
310-290890-14	FB-1_24_09	Total/NA	Water	8081B	433983
LB 310-433433/1-D	Method Blank	Total/NA	Water	8081B	433983
MB 310-433983/1-A	Method Blank	Total/NA	Water	8081B	433983
LCS 310-433983/3-A	Lab Control Sample	Total/NA	Water	8081B	433983
310-289965-C-1-G MS	Matrix Spike	TCLP	Water	8081B	433983
310-289965-C-1-H MSD	Matrix Spike Duplicate	TCLP	Water	8081B	433983

### Prep Batch: 787236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	8151A	
310-290890-6	MW-201B_24_09	Total/NA	Water	8151A	
310-290890-9	MW-303_24_09	Total/NA	Water	8151A	
310-290890-14	FB-1_24_09	Total/NA	Water	8151A	
MB 500-787236/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-787236/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-787236/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

### Analysis Batch: 787537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	8151A	787236

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## GC Semi VOA (Continued)

### Analysis Batch: 787537 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-6	MW-201B_24_09	Total/NA	Water	8151A	787236
310-290890-9	MW-303_24_09	Total/NA	Water	8151A	787236
310-290890-14	FB-1_24_09	Total/NA	Water	8151A	787236
MB 500-787236/1-A	Method Blank	Total/NA	Water	8151A	787236
LCS 500-787236/2-A	Lab Control Sample	Total/NA	Water	8151A	787236
LCSD 500-787236/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	787236

## Metals

### Prep Batch: 433716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	3005A	
310-290890-2	MW-15_24_09	Total/NA	Water	3005A	
310-290890-3	MW-18_24_09	Total/NA	Water	3005A	
310-290890-4	MW-19_24_09	Total/NA	Water	3005A	
310-290890-5	MW-20_24_09	Total/NA	Water	3005A	
310-290890-6	MW-201B_24_09	Total/NA	Water	3005A	
310-290890-7	MW-300_24_09	Total/NA	Water	3005A	
310-290890-8	MW-301_24_09	Total/NA	Water	3005A	
310-290890-9	MW-303_24_09	Total/NA	Water	3005A	
310-290890-10	MW-304R_24_09	Total/NA	Water	3005A	
310-290890-11	MW-501_24_09	Total/NA	Water	3005A	
310-290890-12	FD-1_24_09	Total/NA	Water	3005A	
310-290890-13	FD-2_24_09	Total/NA	Water	3005A	
310-290890-14	FB-1_24_09	Total/NA	Water	3005A	
310-290890-16	MW-204A_24_09	Total/NA	Water	3005A	
310-290890-17	MW-204B_24_09	Total/NA	Water	3005A	
310-290890-18	MW-214_24_09	Total/NA	Water	3005A	
310-290890-19	MW-215_24_09	Total/NA	Water	3005A	
310-290890-20	MW-218_24_09	Total/NA	Water	3005A	
MB 310-433716/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-433716/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-290890-1 MS	MW-9AR_24_09	Total/NA	Water	3005A	
310-290890-1 MSD	MW-9AR_24_09	Total/NA	Water	3005A	
310-290890-11 DU	MW-501_24_09	Total/NA	Water	3005A	

### Analysis Batch: 435065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	6020B	433716
310-290890-2	MW-15_24_09	Total/NA	Water	6020B	433716
310-290890-3	MW-18_24_09	Total/NA	Water	6020B	433716
310-290890-4	MW-19_24_09	Total/NA	Water	6020B	433716
310-290890-5	MW-20_24_09	Total/NA	Water	6020B	433716
310-290890-6	MW-201B_24_09	Total/NA	Water	6020B	433716
310-290890-7	MW-300_24_09	Total/NA	Water	6020B	433716
310-290890-8	MW-301_24_09	Total/NA	Water	6020B	433716
310-290890-9	MW-303_24_09	Total/NA	Water	6020B	433716
310-290890-10	MW-304R_24_09	Total/NA	Water	6020B	433716
310-290890-11	MW-501_24_09	Total/NA	Water	6020B	433716
310-290890-12	FD-1_24_09	Total/NA	Water	6020B	433716
310-290890-13	FD-2_24_09	Total/NA	Water	6020B	433716

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

## Metals (Continued)

### Analysis Batch: 435065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-14	FB-1_24_09	Total/NA	Water	6020B	433716
310-290890-16	MW-204A_24_09	Total/NA	Water	6020B	433716
310-290890-17	MW-204B_24_09	Total/NA	Water	6020B	433716
310-290890-18	MW-214_24_09	Total/NA	Water	6020B	433716
310-290890-19	MW-215_24_09	Total/NA	Water	6020B	433716
310-290890-20	MW-218_24_09	Total/NA	Water	6020B	433716
MB 310-433716/1-A	Method Blank	Total/NA	Water	6020B	433716
LCS 310-433716/2-A	Lab Control Sample	Total/NA	Water	6020B	433716
310-290890-1 MS	MW-9AR_24_09	Total/NA	Water	6020B	433716
310-290890-1 MSD	MW-9AR_24_09	Total/NA	Water	6020B	433716
310-290890-11 DU	MW-501_24_09	Total/NA	Water	6020B	433716

### Analysis Batch: 435215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-433716/1-A	Method Blank	Total/NA	Water	6020B	433716

### Analysis Batch: 435360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-433716/1-A	Method Blank	Total/NA	Water	6020B	433716

### Prep Batch: 435455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-6	MW-201B_24_09	Total/NA	Water	3005A	
310-290890-7	MW-300_24_09	Total/NA	Water	3005A	
310-290890-16	MW-204A_24_09	Total/NA	Water	3005A	
MB 310-435455/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-435455/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-292000-A-20-B MS	Matrix Spike	Total/NA	Water	3005A	
310-292000-A-20-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-290890-7 DU	MW-300_24_09	Total/NA	Water	3005A	

### Analysis Batch: 435613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-6	MW-201B_24_09	Total/NA	Water	6020B	435455
310-290890-7	MW-300_24_09	Total/NA	Water	6020B	435455
310-290890-16	MW-204A_24_09	Total/NA	Water	6020B	435455
MB 310-435455/1-A	Method Blank	Total/NA	Water	6020B	435455
LCS 310-435455/2-A	Lab Control Sample	Total/NA	Water	6020B	435455
310-292000-A-20-B MS	Matrix Spike	Total/NA	Water	6020B	435455
310-292000-A-20-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	435455
310-290890-7 DU	MW-300_24_09	Total/NA	Water	6020B	435455

## General Chemistry

### Analysis Batch: 433696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-16	MW-204A_24_09	Total/NA	Water	I-3765-85	
310-290890-17	MW-204B_24_09	Total/NA	Water	I-3765-85	
310-290890-18	MW-214_24_09	Total/NA	Water	I-3765-85	
310-290890-19	MW-215_24_09	Total/NA	Water	I-3765-85	
310-290890-20	MW-218_24_09	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

## General Chemistry (Continued)

### Analysis Batch: 433696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-433696/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-433696/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-290880-A-2 DU	Duplicate	Total/NA	Water	I-3765-85	

### Analysis Batch: 433700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	I-3765-85	
310-290890-2	MW-15_24_09	Total/NA	Water	I-3765-85	
310-290890-3	MW-18_24_09	Total/NA	Water	I-3765-85	
310-290890-4	MW-19_24_09	Total/NA	Water	I-3765-85	
310-290890-5	MW-20_24_09	Total/NA	Water	I-3765-85	
310-290890-6	MW-201B_24_09	Total/NA	Water	I-3765-85	
310-290890-7	MW-300_24_09	Total/NA	Water	I-3765-85	
310-290890-8	MW-301_24_09	Total/NA	Water	I-3765-85	
310-290890-9	MW-303_24_09	Total/NA	Water	I-3765-85	
310-290890-10	MW-304R_24_09	Total/NA	Water	I-3765-85	
310-290890-11	MW-501_24_09	Total/NA	Water	I-3765-85	
310-290890-12	FD-1_24_09	Total/NA	Water	I-3765-85	
310-290890-13	FD-2_24_09	Total/NA	Water	I-3765-85	
310-290890-14	FB-1_24_09	Total/NA	Water	I-3765-85	
MB 310-433700/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-433700/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-290890-8 DU	MW-301_24_09	Total/NA	Water	I-3765-85	

### Prep Batch: 787196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	9030B	
310-290890-6	MW-201B_24_09	Total/NA	Water	9030B	
310-290890-14	FB-1_24_09	Total/NA	Water	9030B	
MB 500-787196/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-787196/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-290890-1 MS	MW-9AR_24_09	Total/NA	Water	9030B	
310-290890-1 MSD	MW-9AR_24_09	Total/NA	Water	9030B	

### Analysis Batch: 787197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-290890-1	MW-9AR_24_09	Total/NA	Water	9034	787196
310-290890-6	MW-201B_24_09	Total/NA	Water	9034	787196
310-290890-14	FB-1_24_09	Total/NA	Water	9034	787196
MB 500-787196/1-A	Method Blank	Total/NA	Water	9034	787196
LCS 500-787196/2-A	Lab Control Sample	Total/NA	Water	9034	787196
310-290890-1 MS	MW-9AR_24_09	Total/NA	Water	9034	787196
310-290890-1 MSD	MW-9AR_24_09	Total/NA	Water	9034	787196



# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-9AR\_24\_09**

**Lab Sample ID: 310-290890-1**

Date Collected: 09/16/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433671	FE5V	EET CF	09/19/24 16:55
Total/NA	Prep	3511			433983	BW2O	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434676	BW2O	EET CF	09/30/24 17:06
Total/NA	Prep	8151A			787236	AC	EET CHI	09/23/24 07:53
Total/NA	Analysis	8151A		1	787537	H7CM	EET CHI	09/24/24 18:00
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:12
Total/NA	Prep	9030B			787196	CLB	EET CHI	09/22/24 18:08 - 09/22/24 18:12 <sup>1</sup>
Total/NA	Analysis	9034		1	787197	CLB	EET CHI	09/22/24 21:05 - 09/22/24 21:16 <sup>1</sup>
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-15\_24\_09**

**Lab Sample ID: 310-290890-2**

Date Collected: 09/17/24 09:30

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 00:30
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 14:18
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:20
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-18\_24\_09**

**Lab Sample ID: 310-290890-3**

Date Collected: 09/17/24 12:45

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 00:53
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 14:41
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:22
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-19\_24\_09**

**Lab Sample ID: 310-290890-4**

Date Collected: 09/17/24 13:25

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 01:16
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 15:03
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:25
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-20\_24\_09**

**Lab Sample ID: 310-290890-5**

Date Collected: 09/17/24 10:50

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 01:38
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 15:26
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:27
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-201B\_24\_09**

**Lab Sample ID: 310-290890-6**

Date Collected: 09/17/24 12:05

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 02:01
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 15:49
Total/NA	Prep	3511			433983	BW2O	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434676	BW2O	EET CF	09/30/24 17:30
Total/NA	Prep	8151A			787236	AC	EET CHI	09/23/24 07:53
Total/NA	Analysis	8151A		1	787537	H7CM	EET CHI	09/24/24 18:18
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:29
Total/NA	Prep	3005A			435455	F5MW	EET CF	10/08/24 09:30
Total/NA	Analysis	6020B		1	435613	NFT2	EET CF	10/08/24 20:34
Total/NA	Prep	9030B			787196	CLB	EET CHI	09/22/24 18:21 - 09/22/24 18:25 '1
Total/NA	Analysis	9034		1	787197	CLB	EET CHI	09/22/24 21:37 - 09/22/24 21:47 '1
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-300\_24\_09**

**Lab Sample ID: 310-290890-7**

Date Collected: 09/17/24 14:10

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 02:24
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 16:11
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:40
Total/NA	Prep	3005A			435455	F5MW	EET CF	10/08/24 09:30
Total/NA	Analysis	6020B		1	435613	NFT2	EET CF	10/08/24 20:36
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-301\_24\_09**

**Lab Sample ID: 310-290890-8**

Date Collected: 09/17/24 11:55

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 02:47

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-301\_24\_09**

**Lab Sample ID: 310-290890-8**

Date Collected: 09/17/24 11:55

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 16:34
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:42
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-303\_24\_09**

**Lab Sample ID: 310-290890-9**

Date Collected: 09/17/24 13:35

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 03:10
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 16:57
Total/NA	Prep	3511			433983	BW2O	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434676	BW2O	EET CF	09/30/24 17:53
Total/NA	Prep	8151A			787236	AC	EET CHI	09/23/24 07:53
Total/NA	Analysis	8151A		1	787537	H7CM	EET CHI	09/24/24 18:37
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:44
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-304R\_24\_09**

**Lab Sample ID: 310-290890-10**

Date Collected: 09/17/24 14:55

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 03:33
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 17:20
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:47
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: MW-501\_24\_09**

**Lab Sample ID: 310-290890-11**

Date Collected: 09/17/24 15:20

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 03:55
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 17:42
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:49
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: FD-1\_24\_09**

**Lab Sample ID: 310-290890-12**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 04:18
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 18:05
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:53
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: FD-2\_24\_09**

**Lab Sample ID: 310-290890-13**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 04:41
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 18:28
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:55
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: FB-1\_24\_09**

**Lab Sample ID: 310-290890-14**

Date Collected: 09/17/24 14:00

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/19/24 23:44
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 13:32
Total/NA	Prep	3511			433983	BW2O	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434676	BW2O	EET CF	09/30/24 18:16
Total/NA	Prep	8151A			787236	AC	EET CHI	09/23/24 07:53
Total/NA	Analysis	8151A		1	787537	H7CM	EET CHI	09/24/24 18:55
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 19:57
Total/NA	Prep	9030B			787196	CLB	EET CHI	09/22/24 18:25 - 09/22/24 18:30 <sup>1</sup>
Total/NA	Analysis	9034		1	787197	CLB	EET CHI	09/22/24 21:47 - 09/22/24 21:58 <sup>1</sup>
Total/NA	Analysis	I-3765-85		1	433700	DGU1	EET CF	09/19/24 13:08

**Client Sample ID: TB-1\_24\_09**

**Lab Sample ID: 310-290890-15**

Date Collected: 09/17/24 00:00

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 00:07
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 13:55

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
 SDG: 24C034.00

**Client Sample ID: MW-204A\_24\_09**

**Lab Sample ID: 310-290890-16**

Date Collected: 09/16/24 14:30

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433671	FE5V	EET CF	09/19/24 17:18
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 20:00
Total/NA	Prep	3005A			435455	F5MW	EET CF	10/08/24 09:30
Total/NA	Analysis	6020B		1	435613	NFT2	EET CF	10/08/24 20:41
Total/NA	Analysis	I-3765-85		1	433696	DGU1	EET CF	09/19/24 12:15

**Client Sample ID: MW-204B\_24\_09**

**Lab Sample ID: 310-290890-17**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433671	FE5V	EET CF	09/19/24 17:40
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 20:10
Total/NA	Analysis	I-3765-85		1	433696	DGU1	EET CF	09/19/24 12:15

**Client Sample ID: MW-214\_24\_09**

**Lab Sample ID: 310-290890-18**

Date Collected: 09/16/24 15:55

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433671	FE5V	EET CF	09/19/24 18:03
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 20:13
Total/NA	Analysis	I-3765-85		1	433696	DGU1	EET CF	09/19/24 12:15

**Client Sample ID: MW-215\_24\_09**

**Lab Sample ID: 310-290890-19**

Date Collected: 09/16/24 15:10

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433671	FE5V	EET CF	09/19/24 18:26
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 20:15
Total/NA	Analysis	I-3765-85		1	433696	DGU1	EET CF	09/19/24 12:15

**Client Sample ID: MW-218\_24\_09**

**Lab Sample ID: 310-290890-20**

Date Collected: 09/16/24 13:50

Matrix: Water

Date Received: 09/18/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433703	FE5V	EET CF	09/20/24 05:04
Total/NA	Analysis	8260D		1	434105	FE5V	EET CF	09/24/24 18:51

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

**Client Sample ID: MW-218\_24\_09**

**Lab Sample ID: 310-290890-20**

**Date Collected: 09/16/24 13:50**

**Matrix: Water**

**Date Received: 09/18/24 16:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			433716	F5MW	EET CF	09/20/24 09:00
Total/NA	Analysis	6020B		1	435065	NFT2	EET CF	10/02/24 20:17
Total/NA	Analysis	I-3765-85		1	433696	DGU1	EET CF	09/19/24 12:15

<sup>1</sup> 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

# Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

## 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

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Method Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-290890-1  
SDG: 24C034.00

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	EET CHI
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
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
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

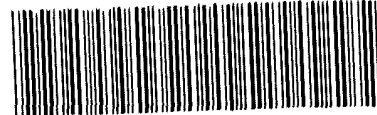
#### Laboratory References:

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





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310-290890 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>Foth Infrastructure &amp; Environment LLC</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE	TIME	Received By
	<u>9-18-24</u>	<u>1600</u>	<u>CGC</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>4</u>	
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>A</u>		Correction Factor (°C): <u>0</u>	
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.5</u>		Corrected Temp (°C): <u>1.5</u>	
• <b>Sample Container Temperature</b>			
Container(s) used	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
<b>Additional Comments</b>			





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Place COC scanning label  
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Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client <b>Foth Infrastructure &amp; Environment LLC</b>			
City/State	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received	DATE	TIME	Received By
	<b>9-18-24</b>	<b>1600</b>	<b>CGC</b>
Delivery Type <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID:</i>			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler # <b>2</b> of <b>4</b></i>			
Cooler Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler custody seals intact?</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No			
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
<b>MW-9AA-24-09, FO-2-24-09, MW-304B-24-09</b>			
<b>MW-303-24-09</b>			
<b>Temperature Record</b>			
Coolant <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <b>A</b>		Correction Factor (°C): <b>0</b>	
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <b>3.8</b>		Corrected Temp (°C): <b>3.8</b>	
• <b>Sample Container Temperature</b>			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) <i>If yes: Is there evidence that the chilling process began?</i> <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
<b>Additional Comments</b>			



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### Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client <u>Foth Infrastructure &amp; Environment LLC</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>9-18-24</u>	TIME <u>1600</u>	Received By <u>CGC</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes. Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes. Cooler # <u>3</u> of <u>4</u>	
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes. Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____	<input type="checkbox"/> NONE	
Thermometer ID:	<u>A</u>	Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>1.5</u>	Corrected Temp (°C): <u>1.5</u>	
<b>• Sample Container Temperature</b>			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
<b>Additional Comments</b>			





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### Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client <b>Foth Infrastructure &amp; Environment LLC</b>			
City/State	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received	DATE	TIME	Received By
	<b>9-18-24</b>	<b>1600</b>	<b>CGC</b>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <b>4</b> of <b>4</b>	
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <b>A</b>		Correction Factor (°C): <b>0</b>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <b>2.2</b>		Corrected Temp (°C): <b>2.2</b>	
• Sample Container Temperature			
Container(s) used	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
<b>Additional Comments</b>			







CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 of 4

COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC
Report To: Gina Wilming/Hannah Dubbs (Foth)
Requested Due Date:
Quote Reference:
Address: 411 6th Avenue SE, Suite 400
Copy To:
\*TAT: Standard
Project Manager: Gina Wilming
Cedar Rapids, IA 52401
Invoice To: Karmin McShane (CRLCSWA)
Project #: 24C034.00
Phone: (319) 365-9565
P O
Profile #:
Email Addresses: gina.wilming@foth.com
Project Name: CRLCSWA Site 2 Groundwater
Regulatory Agency: Iowa DNR
Sampling Team Members: Randy Gavin, Tyler Merritt
hannah.dubbs@foth.com
Task #: 24C034\_24\_09
State Location: Iowa

Table with columns: ITEM NUMBER, SAMPLE ID, Sample Location, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Preservatives, Requested Analysis, Filtered (Y/N), REMARKS / Lab ID. Rows 13-24 contain sample data.

SHIPMENT METHOD AIRBILL NO. SHIPPING DATE NO. OF COOLERS ITEM # RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME

SAMPLE CONDITION: Temp in C, Received on Ice, Sealed Cooler, Sample Intact. SAMPLE NOTES: Valid Matrix Codes, SAMPLER NAME AND SIGNATURE: RANDY GAVIN, PRINT Name of SAMPLER: RANDY GAVIN, SIGNATURE of SAMPLER, DATE Signed.

Page 95 of 100

10/9/2024







CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 3 of 4

COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC
Report To: Gina Wilming/Hannah Dubbs (Foth)
Requested Due Date:
Quote Reference:
Address: 411 6th Avenue SE, Suite 400
Copy To:
\*TAT\* Standard
Project Manager: Gina Wilming
Cedar Rapids, IA 52401
Invoice To: Karmin McShane (CRLCSWA)
Project #: 24C034.00
Phone: (319) 365-9565
P O
Profile #:
Email Addresses: gina.wilming@foth.com
Project Name: CRLCSWA Site 2 Groundwater
Regulatory Agency: Iowa DNR
Sampling Team Members: RANDY GAUW, Tyler Morett
hannah.dubbs@foth.com
Task #: 24C034\_24\_09
State Location: Iowa

Table with columns: ITEM NUMBER, SAMPLE ID, Sample Location, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Preservatives, Requested Analysis, Filtered (Y/N), REMARKS / Lab ID. Rows include samples FD-1\_24\_09 through MW-204A\_24\_09.

SHIPMENT METHOD: Express EMS, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME

SAMPLE CONDITION: Temp in C, Received on Ice Y/N, Sealed Cooler Y/N, Sample Intact Y/N. SAMPLE NOTES: Valid Matrix Codes table, CGC Eurofins 9-18-24 1600.

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Randy Gauw, SIGNATURE of SAMPLER, DATE Signed

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10/9/2024





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Company: Foth Infrastructure & Environment, LLC
Report To: Gina Wilming/Hannah Dubbs (Foth)
Address: 411 6th Avenue SE, Suite 400
Cedar Rapids, IA 52401
Phone: (319) 365-9565
Email Addresses: gina.wilming@foth.com
hannah.dubbs@foth.com
Project Name: CRLCSWA Site 2 Groundwater
Task #: 24C034\_24\_09
Requested Due Date:
Project Manager: Gina Wilming
Project #: 24C034.00
Profile #:
Regulatory Agency: Iowa DNR
State Location: Iowa
Sampling Team Members: Randy Gavin
Tyler Morrill

Page 97 of 100

Table with columns: ITEM NUMBER, SAMPLE ID, Sample Location, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Preservatives (Total # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol), Requested Analysis (TSS, Benzene, Cobalt, Sulfide, 2,4-D, 2,4,5-TP (Silvex), beta-BHC, gamma-BHC (Lindane), Heptachlor, Appendix I VOCs), Filtered (Y/N), REMARKS / Lab ID.

SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME

Evap Pigs
COC EuroBis 9-18-24 1600

Table with columns: SAMPLE CONDITION (Temp in C, Received on Ice, Sealed Cooler, Sample Intact) and SAMPLE NOTES (Y/N).

Additional Comments:

Valid Matrix Codes table: Matrix Code (Soil SO, Sediment SE, Surface Water WS, Wastewater WW, Groundwater WG, Ambient Air AA, Other X)

SAMPLER NAME AND SIGNATURE, PRINT Name of SAMPLER: Randy Gavin, SIGNATURE of SAMPLER, DATE Signed.

10/9/2024





**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

<b>Client Information (Sub Contract Lab)</b>		Sampler Calhoun, Conner M		Lab PM. Calhoun, Conner M		Carrier Tracking No(s)		COC No: 310-76560 1			
Client Contact: Shipping/Receiving		Phone		E-Mail: Conner.Calhoun@et.eurofinsus.com		State of Origin: Iowa		Page: Page 1 of 1			
Company Eurofins Environment Testing North Centr		Due Date Requested 10/1/2024		Accreditations Required (See note). State Program - Iowa				Job #: 310-290890-1			
Address 2417 Bond Street, City: University Park State, Zip IL, 60484 Phone 708-534-5200(Tel) 708-534-5211(Fax) Email:		TAT Requested (days)		<b>Analysis Requested</b>		Total Number of containers		Preservation Codes:  Other:			
Project Name: CRLCSWA Site 2 Groundwater		PO #:									
Site:		WO #:									
Project #: 31009776		SSOW#:									
210-290890 COC		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)			
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)			
MW-9AR_24_09 (310-290890-1)		9/16/24		14 00 Central		G Water		X X			
MW-201B_24_09 (310-290890-6)		9/17/24		12.05 Central		G Water		X X			
MW-303_24_09 (310-290890-9)		9/17/24		13 35 Central		G Water		X			
FB-1_24_09 (310-290890-14)		9/17/24		14 00 Central		G Water		X X			
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central LLC places the ownership of method, analyte &amp; 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</p>											
<b>Possible Hazard Identification</b>					<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For    Months						
Deliverable Requested I, II, III, IV, Other (specify)					Special Instructions/QC Requirements						
Empty Kit Relinquished by:					Method of Shipment:						
Relinquished by:		Date		Time		Received by:			Date/Time		
		9/19/24		1515					9/20/24 0935		
Relinquished by:		Date/Time:		Company:		Received by:			Date/Time:		
Relinquished by:		Date/Time:		Company:		Received by:			Date/Time:		
Custody Seals Intact.		Custody Seal No		Cooler Temperature(s) °C and Other Remarks							
Δ Yes Δ No				6.0 - 7.39							

## Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-290890-1

SDG Number: 24C034.00

**Login Number: 290890**

**List Number: 1**

**Creator: Homolar, Dana J**

**List Source: Eurofins Cedar Falls**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (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: Foth Infrastructure & Environment, LLC

Job Number: 310-290890-1

SDG Number: 24C034.00

**Login Number: 290890**

**List Number: 2**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

**List Creation: 09/20/24 05:22 PM**

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	3.9
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	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gina Wilming  
Foth Infrastructure & Environment, LLC  
411 6th Avenue SE  
Suite 400  
Cedar Rapids, Iowa 52401

Generated 10/7/2024 1:21:22 PM

## JOB DESCRIPTION

CRLCSWA Site 2 Groundwater

## JOB NUMBER

310-291109-1

# 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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# Case Narrative

Client: Foth Infrastructure & Environment, LLC  
Project: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

Job ID: 310-291109-1

Eurofins Cedar Falls

## Job Narrative 310-291109-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 9/21/2024 4:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.2°C, 0.5°C and 0.6°C.

### GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-434241 recovered above the upper control limit for Vinyl chloride (32.1%D), Chloroethane (39.2%D), and Trichlorofluoromethane (55.0%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 310-434241/4).

Method 8260D: The laboratory control sample (LCS) for analytical batch 310-434241 recovered outside control limits for the following analytes: Dichlorobromomethane and 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; 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.

### Pesticides

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

Method 6020B: The initial calibration verification (ICV) result for batch 310-435360 was above the upper control limit. The affected analytes are: Silver. Sample results were non-detects, and have been reported as qualified data.

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.

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# Sample Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-291109-1	GU-1_24_09	Water	09/19/24 12:15	09/21/24 16:02
310-291109-2	GU-P_24_09	Water	09/19/24 13:10	09/21/24 16:02
310-291109-3	GU-O_24_09	Water	09/19/24 12:55	09/21/24 16:02
310-291109-4	GU-L_24_09	Water	09/19/24 12:35	09/21/24 16:02
310-291109-5	MW-22_24_09	Water	09/19/24 09:55	09/21/24 16:02
310-291109-6	MW-24_24_09	Water	09/19/24 13:30	09/21/24 16:02
310-291109-7	MW-26A_24_09	Water	09/19/24 12:00	09/21/24 16:02
310-291109-8	MW-29_24_09	Water	09/19/24 11:50	09/21/24 16:02
310-291109-9	MW-30_24_09	Water	09/19/24 14:25	09/21/24 16:02
310-291109-10	MW-302R_24_09	Water	09/19/24 14:15	09/21/24 16:02
310-291109-11	MW-305_24_09	Water	09/19/24 11:00	09/21/24 16:02
310-291109-12	MW-306_24_09	Water	09/19/24 13:30	09/21/24 16:02
310-291109-13	MW-307A_24_09	Water	09/19/24 11:10	09/21/24 16:02
310-291109-14	FD-3_24_09	Water	09/19/24 00:00	09/21/24 16:02
310-291109-15	FD-4_24_09	Water	09/19/24 10:15	09/21/24 16:02
310-291109-16	FB-2_24_09	Water	09/19/24 00:00	09/21/24 16:02
310-291109-17	TB-2_24_09	Water	09/19/24 09:15	09/21/24 16:02
310-291109-18	MW-502_24_09	Water	09/19/24 10:25	09/21/24 16:02
310-291109-19	MW-213A_24_09	Water	09/19/24 11:25	09/21/24 16:02
310-291109-20	MW-213B_24_09	Water	09/19/24 09:55	09/21/24 16:02





## Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

### Client Sample ID: GU-1\_24\_09

### Lab Sample ID: 310-291109-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.250	J	0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.00243		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.195		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00140	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Cobalt	0.00205		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0424		0.00500	0.00210	mg/L	1		6020B	Total/NA
Zinc	0.0116	J	0.0200	0.00970	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.00		3.75	2.78	mg/L	1		I-3765-85	Total/NA

### Client Sample ID: GU-P\_24\_09

### Lab Sample ID: 310-291109-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00211		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.303		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000427	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	13.0		5.00	3.70	mg/L	1		I-3765-85	Total/NA

### Client Sample ID: GU-O\_24\_09

### Lab Sample ID: 310-291109-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00171	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.315		0.00200	0.000660	mg/L	1		6020B	Total/NA
Zinc	0.0267		0.0200	0.00970	mg/L	1		6020B	Total/NA
Total Suspended Solids	25.0		5.00	3.70	mg/L	1		I-3765-85	Total/NA

### Client Sample ID: GU-L\_24\_09

### Lab Sample ID: 310-291109-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00104	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.00831		0.00200	0.000660	mg/L	1		6020B	Total/NA

### Client Sample ID: MW-22\_24\_09

### Lab Sample ID: 310-291109-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.46		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	0.666	J	1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.225	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.00387		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	1.10		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000335	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0352		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	30.3		5.00	3.70	mg/L	1		I-3765-85	Total/NA

### Client Sample ID: MW-24\_24\_09

### Lab Sample ID: 310-291109-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000589	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0484		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000168	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00119		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00199	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Nickel	0.0234		0.00500	0.00210	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Client Sample ID: MW-26A\_24\_09

## Lab Sample ID: 310-291109-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0100		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.656		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00158	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Cobalt	0.0731		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0489		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	22.0		5.00	3.70	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-29\_24\_09

## Lab Sample ID: 310-291109-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000635		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	23.5		7.50	5.55	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-30\_24\_09

## Lab Sample ID: 310-291109-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000740		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	24.5		7.50	5.55	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-302R\_24\_09

## Lab Sample ID: 310-291109-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000793	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.121		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000333	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	1.88		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-305\_24\_09

## Lab Sample ID: 310-291109-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0426		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00170		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00302	J	0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.87		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-306\_24\_09

## Lab Sample ID: 310-291109-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.401	J	0.500	0.220	ug/L	1		8260D	Total/NA
Cobalt	0.00158		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	42.3		5.00	3.70	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-307A\_24\_09

## Lab Sample ID: 310-291109-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00263		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	13.3		5.00	3.70	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: FD-3\_24\_09

## Lab Sample ID: 310-291109-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.414	J	0.500	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.000673	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.618		0.00200	0.000660	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Client Sample ID: FD-3\_24\_09 (Continued)

Lab Sample ID: 310-291109-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00160		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0170		0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	42.5		7.50	5.55	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: FD-4\_24\_09

Lab Sample ID: 310-291109-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00162	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0908		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00848		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00427	J	0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.50		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: FB-2\_24\_09

Lab Sample ID: 310-291109-16

No Detections.

## Client Sample ID: TB-2\_24\_09

Lab Sample ID: 310-291109-17

No Detections.

## Client Sample ID: MW-502\_24\_09

Lab Sample ID: 310-291109-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.520	J	1.00	0.430	ug/L	1		8260D	Total/NA
Barium	0.188		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000233	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-213A\_24\_09

Lab Sample ID: 310-291109-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00160	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0896		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00847		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00427	J	0.00500	0.00210	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.75		1.88	1.39	mg/L	1		I-3765-85	Total/NA

## Client Sample ID: MW-213B\_24\_09

Lab Sample ID: 310-291109-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00114	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.103		0.00200	0.000660	mg/L	1		6020B	Total/NA
Lead	0.000492	J	0.000500	0.000260	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.75		1.88	1.39	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-1\_24\_09**

**Lab Sample ID: 310-291109-1**

Date Collected: 09/19/24 12:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 19:41	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 19:41	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 19:41	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 19:41	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 19:41	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 19:41	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 19:41	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 19:41	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 19:41	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 19:41	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 19:41	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 19:41	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 19:41	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 19:41	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 19:41	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 19:41	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 19:41	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 19:41	1
<b>Benzene</b>	<b>0.250</b>	<b>J</b>	0.500	0.220	ug/L			09/24/24 19:41	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 19:41	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 19:41	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 19:41	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 19:41	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 19:41	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 19:41	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 19:41	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 19:41	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 19:41	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 19:41	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 19:41	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 19:41	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 19:41	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 19:41	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 19:41	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 19:41	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 19:41	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 19:41	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 19:41	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 19:41	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 19:41	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 19:41	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 19:41	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 19:41	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 19:41	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 19:41	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 19:41	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		73 - 130		09/24/24 19:41	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-1\_24\_09**

**Lab Sample ID: 310-291109-1**

Date Collected: 09/19/24 12:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		09/24/24 19:41	1
4-Bromofluorobenzene (Surr)	100		80 - 120		09/24/24 19:41	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		09/25/24 09:00	10/04/24 14:23	1
<b>Arsenic</b>	<b>0.00243</b>		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:23	1
<b>Barium</b>	<b>0.195</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:23	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:23	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:23	1
<b>Chromium</b>	<b>0.00140</b>	<b>J</b>	0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:23	1
<b>Cobalt</b>	<b>0.00205</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:23	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:23	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:23	1
<b>Nickel</b>	<b>0.0424</b>		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:23	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:23	1
Silver	<0.000500	<sup>^1+</sup>	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:23	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:23	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:23	1
<b>Zinc</b>	<b>0.0116</b>	<b>J</b>	0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>7.00</b>		3.75	2.78	mg/L			09/23/24 11:26	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-P\_24\_09**

**Lab Sample ID: 310-291109-2**

Date Collected: 09/19/24 13:10

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 18:12	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 18:12	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 18:12	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 18:12	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 18:12	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 18:12	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 18:12	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 18:12	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 18:12	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 18:12	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 18:12	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 18:12	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 18:12	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 18:12	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 18:12	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 18:12	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 18:12	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 18:12	1
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 18:12	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 18:12	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 18:12	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 18:12	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:12	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 18:12	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 18:12	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 18:12	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 18:12	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 18:12	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 18:12	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 18:12	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 18:12	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 18:12	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 18:12	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 18:12	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 18:12	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 18:12	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 18:12	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 18:12	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 18:12	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 18:12	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 18:12	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 18:12	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 18:12	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 18:12	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 18:12	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 18:12	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		73 - 130		09/24/24 18:12	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-P\_24\_09**

**Lab Sample ID: 310-291109-2**

Date Collected: 09/19/24 13:10

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		09/24/24 18:12	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/24/24 18:12	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		09/25/24 09:00	10/04/24 14:31	1
<b>Arsenic</b>	<b>0.00211</b>		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:31	1
<b>Barium</b>	<b>0.303</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:31	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:31	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:31	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:31	1
<b>Cobalt</b>	<b>0.000427</b>	<b>J</b>	0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:31	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:31	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:31	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:31	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:31	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:31	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:31	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:31	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>13.0</b>		5.00	3.70	mg/L			09/23/24 11:26	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-O\_24\_09**

**Lab Sample ID: 310-291109-3**

Date Collected: 09/19/24 12:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 18:34	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 18:34	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 18:34	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 18:34	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 18:34	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 18:34	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 18:34	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 18:34	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 18:34	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 18:34	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 18:34	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 18:34	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 18:34	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 18:34	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 18:34	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 18:34	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 18:34	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 18:34	1
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 18:34	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 18:34	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 18:34	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 18:34	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 18:34	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 18:34	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 18:34	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 18:34	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 18:34	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 18:34	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 18:34	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 18:34	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 18:34	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 18:34	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 18:34	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 18:34	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 18:34	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 18:34	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 18:34	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 18:34	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 18:34	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 18:34	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 18:34	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 18:34	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 18:34	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 18:34	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 18:34	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		73 - 130		09/24/24 18:34	1

Eurofins Cedar Falls



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-O\_24\_09**

**Lab Sample ID: 310-291109-3**

Date Collected: 09/19/24 12:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		09/24/24 18:34	1
4-Bromofluorobenzene (Surr)	100		80 - 120		09/24/24 18:34	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		09/25/24 09:00	10/04/24 14:34	1
<b>Arsenic</b>	<b>0.00171</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:34	1
<b>Barium</b>	<b>0.315</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:34	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:34	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:34	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:34	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:34	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:34	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:34	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:34	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:34	1
Silver	<0.000500	<sup>^1+</sup>	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:34	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:34	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:34	1
<b>Zinc</b>	<b>0.0267</b>		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>25.0</b>		5.00	3.70	mg/L			09/23/24 11:26	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-L\_24\_09**

**Lab Sample ID: 310-291109-4**

Date Collected: 09/19/24 12:35

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 18:56	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 18:56	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 18:56	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 18:56	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 18:56	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 18:56	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 18:56	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 18:56	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 18:56	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 18:56	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 18:56	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 18:56	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 18:56	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 18:56	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 18:56	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 18:56	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 18:56	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 18:56	1
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 18:56	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 18:56	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 18:56	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 18:56	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 18:56	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 18:56	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 18:56	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 18:56	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 18:56	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 18:56	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 18:56	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 18:56	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 18:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 18:56	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 18:56	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 18:56	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 18:56	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 18:56	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 18:56	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 18:56	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 18:56	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 18:56	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 18:56	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 18:56	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 18:56	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 18:56	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 18:56	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 18:56	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		73 - 130		09/24/24 18:56	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-L\_24\_09**

**Lab Sample ID: 310-291109-4**

Date Collected: 09/19/24 12:35

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		09/24/24 18:56	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/24/24 18:56	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		09/25/24 09:00	10/04/24 14:36	1
<b>Arsenic</b>	<b>0.00104</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:36	1
<b>Barium</b>	<b>0.00831</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:36	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:36	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:36	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:36	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:36	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:36	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:36	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:36	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:36	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:36	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:36	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:36	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-22\_24\_09**

**Lab Sample ID: 310-291109-5**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 19:19	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 19:19	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 19:19	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 19:19	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 19:19	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 19:19	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 19:19	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 19:19	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 19:19	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 19:19	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 19:19	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 19:19	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 19:19	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 19:19	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 19:19	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 19:19	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 19:19	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 19:19	1
<b>Benzene</b>	<b>1.46</b>		0.500	0.220	ug/L			09/24/24 19:19	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 19:19	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 19:19	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 19:19	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 19:19	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 19:19	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 19:19	1
<b>Chlorobenzene</b>	<b>0.666 J</b>		1.00	0.400	ug/L			09/24/24 19:19	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 19:19	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 19:19	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 19:19	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 19:19	1
<b>cis-1,2-Dichloroethene</b>	<b>0.225 J</b>		1.00	0.210	ug/L			09/24/24 19:19	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 19:19	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 19:19	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 19:19	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 19:19	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 19:19	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 19:19	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 19:19	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 19:19	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 19:19	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 19:19	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 19:19	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 19:19	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 19:19	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 19:19	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 19:19	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		73 - 130		09/24/24 19:19	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-22\_24\_09**

**Lab Sample ID: 310-291109-5**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		09/24/24 19:19	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/24/24 19:19	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0393		0.0936	0.0393	ug/L		09/23/24 13:13	10/01/24 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	80		10 - 136	09/23/24 13:13	10/01/24 13:34	1
Tetrachloro-m-xylene	63		10 - 130	09/23/24 13:13	10/01/24 13:34	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		09/25/24 09:00	10/04/24 14:38	1
<b>Arsenic</b>	<b>0.00387</b>		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:38	1
<b>Barium</b>	<b>1.10</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:38	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:38	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:38	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:38	1
<b>Cobalt</b>	<b>0.000335</b>	<b>J</b>	0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:38	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:38	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:38	1
<b>Nickel</b>	<b>0.0352</b>		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:38	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:38	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:38	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:38	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:38	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>30.3</b>		5.00	3.70	mg/L			09/23/24 11:26	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-24\_24\_09**

**Lab Sample ID: 310-291109-6**

Date Collected: 09/19/24 13:30

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 17:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 17:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 17:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 17:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 17:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 17:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 17:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 17:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 17:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 17:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 17:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 17:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 17:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 17:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 17:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 17:06	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 17:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 17:06	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 17:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 17:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 17:06	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 17:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 17:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 17:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 17:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 17:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 17:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 17:06	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 17:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 17:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 17:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 17:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 17:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 17:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 17:06	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 17:06	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 17:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 17:06	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 17:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 17:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 17:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 17:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 17:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 17:06	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 17:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 17:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		73 - 130		09/25/24 17:06	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-24\_24\_09**

**Lab Sample ID: 310-291109-6**

Date Collected: 09/19/24 13:30

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		09/25/24 17:06	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/25/24 17:06	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		09/25/24 09:00	10/04/24 14:40	1
<b>Arsenic</b>	<b>0.000589</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:40	1
<b>Barium</b>	<b>0.0484</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:40	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:40	1
<b>Cadmium</b>	<b>0.000168</b>	<b>J</b>	0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:40	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:40	1
<b>Cobalt</b>	<b>0.00119</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:40	1
<b>Copper</b>	<b>0.00199</b>	<b>J</b>	0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:40	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:40	1
<b>Nickel</b>	<b>0.0234</b>		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:40	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:40	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:40	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:40	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:40	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-26A\_24\_09**

**Lab Sample ID: 310-291109-7**

Date Collected: 09/19/24 12:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 17:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 17:28	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 17:28	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 17:28	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 17:28	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 17:28	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 17:28	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 17:28	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 17:28	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 17:28	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 17:28	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 17:28	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 17:28	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 17:28	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 17:28	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 17:28	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 17:28	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 17:28	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 17:28	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 17:28	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 17:28	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 17:28	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 17:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 17:28	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 17:28	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 17:28	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 17:28	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 17:28	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 17:28	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 17:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 17:28	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 17:28	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 17:28	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 17:28	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 17:28	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 17:28	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 17:28	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 17:28	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 17:28	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 17:28	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 17:28	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 17:28	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 17:28	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 17:28	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 17:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 17:28	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/25/24 17:28	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-26A\_24\_09**

**Lab Sample ID: 310-291109-7**

Date Collected: 09/19/24 12:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		09/25/24 17:28	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/25/24 17:28	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		09/25/24 09:00	10/04/24 14:51	1
<b>Arsenic</b>	<b>0.0100</b>		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:51	1
<b>Barium</b>	<b>0.656</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:51	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:51	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:51	1
<b>Chromium</b>	<b>0.00158</b>	<b>J</b>	0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:51	1
<b>Cobalt</b>	<b>0.0731</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:51	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:51	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:51	1
<b>Nickel</b>	<b>0.0489</b>		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:51	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:51	1
Silver	<0.000500	<sup>^1+</sup>	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:51	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:51	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:51	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>22.0</b>		5.00	3.70	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-29\_24\_09**

**Lab Sample ID: 310-291109-8**

Date Collected: 09/19/24 11:50

Matrix: Water

Date Received: 09/21/24 16:02

**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			09/25/24 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130					09/25/24 17:51	1
Toluene-d8 (Surr)	93		80 - 120					09/25/24 17:51	1
4-Bromofluorobenzene (Surr)	102		80 - 120					09/25/24 17:51	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.000635		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	23.5		7.50	5.55	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-30\_24\_09**

**Lab Sample ID: 310-291109-9**

Date Collected: 09/19/24 14:25

Matrix: Water

Date Received: 09/21/24 16:02

**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			09/25/24 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130					09/25/24 18:13	1
Toluene-d8 (Surr)	94		80 - 120					09/25/24 18:13	1
4-Bromofluorobenzene (Surr)	101		80 - 120					09/25/24 18:13	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.000740		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	24.5		7.50	5.55	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-302R\_24\_09**

**Lab Sample ID: 310-291109-10**

Date Collected: 09/19/24 14:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 18:35	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 18:35	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 18:35	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 18:35	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 18:35	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 18:35	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 18:35	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 18:35	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 18:35	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 18:35	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 18:35	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 18:35	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 18:35	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 18:35	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 18:35	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 18:35	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 18:35	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 18:35	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 18:35	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 18:35	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 18:35	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 18:35	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 18:35	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 18:35	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 18:35	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 18:35	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 18:35	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 18:35	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 18:35	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 18:35	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 18:35	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 18:35	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 18:35	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 18:35	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 18:35	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 18:35	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 18:35	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 18:35	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 18:35	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 18:35	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 18:35	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 18:35	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 18:35	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 18:35	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 18:35	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 18:35	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		73 - 130		09/25/24 18:35	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-302R\_24\_09**

**Lab Sample ID: 310-291109-10**

Date Collected: 09/19/24 14:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		09/25/24 18:35	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/25/24 18:35	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		09/25/24 09:00	10/04/24 14:58	1
<b>Arsenic</b>	<b>0.000793</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:58	1
<b>Barium</b>	<b>0.121</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:58	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:58	1
<b>Cobalt</b>	<b>0.000333</b>	<b>J</b>	0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:58	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:58	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:58	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:58	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:58	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:58	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:58	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>1.88</b>		1.88	1.39	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-305\_24\_09**

**Lab Sample ID: 310-291109-11**

Date Collected: 09/19/24 11:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 18:58	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 18:58	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 18:58	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 18:58	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 18:58	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 18:58	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 18:58	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 18:58	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 18:58	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 18:58	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 18:58	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 18:58	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 18:58	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 18:58	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 18:58	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 18:58	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 18:58	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 18:58	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 18:58	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 18:58	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 18:58	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 18:58	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 18:58	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 18:58	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 18:58	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 18:58	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 18:58	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 18:58	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 18:58	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 18:58	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 18:58	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 18:58	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 18:58	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 18:58	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 18:58	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 18:58	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 18:58	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 18:58	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 18:58	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 18:58	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 18:58	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 18:58	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 18:58	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 18:58	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 18:58	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 18:58	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/25/24 18:58	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-305\_24\_09**

**Lab Sample ID: 310-291109-11**

Date Collected: 09/19/24 11:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		09/25/24 18:58	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/25/24 18:58	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		09/25/24 09:00	10/04/24 15:00	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:00	1
<b>Barium</b>	<b>0.0426</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:00	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:00	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:00	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:00	1
<b>Cobalt</b>	<b>0.00170</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:00	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:00	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:00	1
<b>Nickel</b>	<b>0.00302</b>	<b>J</b>	0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:00	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:00	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:00	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:00	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:00	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>6.87</b>		1.88	1.39	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-306\_24\_09**

**Lab Sample ID: 310-291109-12**

Date Collected: 09/19/24 13:30

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.401	J	0.500	0.220	ug/L			09/24/24 11:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Dibromofluoromethane (Surr)	103		73 - 130					09/24/24 11:55	1
Toluene-d8 (Surr)	98		80 - 120					09/24/24 11:55	1
4-Bromofluorobenzene (Surr)	97		80 - 120					09/24/24 11:55	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00158		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	42.3		5.00	3.70	mg/L			09/23/24 11:26	1



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-307A\_24\_09**

**Lab Sample ID: 310-291109-13**

Date Collected: 09/19/24 11:10

Matrix: Water

Date Received: 09/21/24 16:02

**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			09/24/24 12:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Dibromofluoromethane (Surr)	100		73 - 130					09/24/24 12:17	1
Toluene-d8 (Surr)	99		80 - 120					09/24/24 12:17	1
4-Bromofluorobenzene (Surr)	94		80 - 120					09/24/24 12:17	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00263		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	13.3		5.00	3.70	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FD-3\_24\_09**

**Lab Sample ID: 310-291109-14**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 19:21	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 19:21	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 19:21	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 19:21	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 19:21	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 19:21	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 19:21	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 19:21	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 19:21	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 19:21	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 19:21	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 19:21	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 19:21	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 19:21	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 19:21	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 19:21	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 19:21	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 19:21	1
<b>Benzene</b>	<b>0.414</b>	<b>J</b>	0.500	0.220	ug/L			09/25/24 19:21	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 19:21	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 19:21	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 19:21	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 19:21	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 19:21	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 19:21	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 19:21	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 19:21	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 19:21	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 19:21	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 19:21	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 19:21	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 19:21	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 19:21	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 19:21	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 19:21	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 19:21	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 19:21	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 19:21	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 19:21	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 19:21	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 19:21	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 19:21	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 19:21	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 19:21	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 19:21	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 19:21	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		73 - 130		09/25/24 19:21	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FD-3\_24\_09**

**Lab Sample ID: 310-291109-14**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		09/25/24 19:21	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/25/24 19:21	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		09/25/24 09:00	10/04/24 15:09	1
<b>Arsenic</b>	<b>0.000673</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:09	1
<b>Barium</b>	<b>0.618</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:09	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:09	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:09	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:09	1
<b>Cobalt</b>	<b>0.00160</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:09	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:09	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:09	1
<b>Nickel</b>	<b>0.0170</b>		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:09	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:09	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:09	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>42.5</b>		7.50	5.55	mg/L			09/24/24 11:08	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FD-4\_24\_09**

**Lab Sample ID: 310-291109-15**

Date Collected: 09/19/24 10:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 19:43	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 19:43	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 19:43	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 19:43	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 19:43	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 19:43	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 19:43	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 19:43	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 19:43	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 19:43	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 19:43	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 19:43	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 19:43	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 19:43	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 19:43	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 19:43	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 19:43	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 19:43	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 19:43	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 19:43	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 19:43	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 19:43	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 19:43	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 19:43	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 19:43	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 19:43	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 19:43	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 19:43	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 19:43	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 19:43	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 19:43	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 19:43	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 19:43	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 19:43	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 19:43	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 19:43	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 19:43	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 19:43	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 19:43	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 19:43	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 19:43	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 19:43	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 19:43	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 19:43	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 19:43	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 19:43	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130		09/25/24 19:43	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FD-4\_24\_09**

**Lab Sample ID: 310-291109-15**

Date Collected: 09/19/24 10:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		09/25/24 19:43	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/25/24 19:43	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		09/25/24 09:00	10/04/24 15:11	1
<b>Arsenic</b>	<b>0.00162</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:11	1
<b>Barium</b>	<b>0.0908</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:11	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:11	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:11	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:11	1
<b>Cobalt</b>	<b>0.00848</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:11	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:11	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:11	1
<b>Nickel</b>	<b>0.00427</b>	<b>J</b>	0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:11	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:11	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:11	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:11	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:11	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>2.50</b>		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FB-2\_24\_09**

**Lab Sample ID: 310-291109-16**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 14:50	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 14:50	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 14:50	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 14:50	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 14:50	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 14:50	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 14:50	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 14:50	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 14:50	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 14:50	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 14:50	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 14:50	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 14:50	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 14:50	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 14:50	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 14:50	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 14:50	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 14:50	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 14:50	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 14:50	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 14:50	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 14:50	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 14:50	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 14:50	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 14:50	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 14:50	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 14:50	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 14:50	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 14:50	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 14:50	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 14:50	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 14:50	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 14:50	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 14:50	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 14:50	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 14:50	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 14:50	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 14:50	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 14:50	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 14:50	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 14:50	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 14:50	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 14:50	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 14:50	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 14:50	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 14:50	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	109		73 - 130		09/25/24 14:50	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FB-2\_24\_09**

**Lab Sample ID: 310-291109-16**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		09/25/24 14:50	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/25/24 14:50	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0393		0.0936	0.0393	ug/L		09/23/24 13:13	10/01/24 13:57	1
Heptachlor	<0.0215		0.0936	0.0215	ug/L		09/23/24 13:13	10/01/24 13:57	1
gamma-BHC (Lindane)	<0.00936		0.0936	0.00936	ug/L		09/23/24 13:13	10/01/24 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	21		10 - 136	09/23/24 13:13	10/01/24 13:57	1
Tetrachloro-m-xylene	69		10 - 130	09/23/24 13:13	10/01/24 13:57	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		09/25/24 09:00	10/04/24 15:22	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:22	1
Barium	<0.000660		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:22	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:22	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:22	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:22	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:22	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:22	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:22	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:22	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:22	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:22	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:22	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:22	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:22	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		09/25/24 18:10	09/25/24 22:27	1
Total Suspended Solids (USGS I-3765-85)	<1.39		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: TB-2\_24\_09**

**Lab Sample ID: 310-291109-17**

Date Collected: 09/19/24 09:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 15:12	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 15:12	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 15:12	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 15:12	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 15:12	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 15:12	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 15:12	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 15:12	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 15:12	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 15:12	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 15:12	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 15:12	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 15:12	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 15:12	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 15:12	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 15:12	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 15:12	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 15:12	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 15:12	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 15:12	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 15:12	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 15:12	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 15:12	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 15:12	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 15:12	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 15:12	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 15:12	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 15:12	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 15:12	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 15:12	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 15:12	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 15:12	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 15:12	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 15:12	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 15:12	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 15:12	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 15:12	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 15:12	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 15:12	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 15:12	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 15:12	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 15:12	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 15:12	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 15:12	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 15:12	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 15:12	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		73 - 130		09/25/24 15:12	1

Eurofins Cedar Falls



# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: TB-2\_24\_09**

**Lab Sample ID: 310-291109-17**

Date Collected: 09/19/24 09:15

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	95		80 - 120		09/25/24 15:12	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/25/24 15:12	1

- 1
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- 14
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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-502\_24\_09**

**Lab Sample ID: 310-291109-18**

Date Collected: 09/19/24 10:25

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/26/24 00:27	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/26/24 00:27	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/26/24 00:27	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/26/24 00:27	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/26/24 00:27	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/26/24 00:27	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/26/24 00:27	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/26/24 00:27	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/26/24 00:27	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/26/24 00:27	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/26/24 00:27	1
1,2-Dichloropropane	<0.270	*+	1.00	0.270	ug/L			09/26/24 00:27	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/26/24 00:27	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/26/24 00:27	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/26/24 00:27	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/26/24 00:27	1
Acetone	<3.10		10.0	3.10	ug/L			09/26/24 00:27	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/26/24 00:27	1
Benzene	<0.220		0.500	0.220	ug/L			09/26/24 00:27	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/26/24 00:27	1
Bromodichloromethane	<0.390	*+	1.00	0.390	ug/L			09/26/24 00:27	1
Bromoform	<0.780		5.00	0.780	ug/L			09/26/24 00:27	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/26/24 00:27	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/26/24 00:27	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/26/24 00:27	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/26/24 00:27	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/26/24 00:27	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/26/24 00:27	1
Chloroform	<1.30		3.00	1.30	ug/L			09/26/24 00:27	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/26/24 00:27	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/26/24 00:27	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/26/24 00:27	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/26/24 00:27	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/26/24 00:27	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/26/24 00:27	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/26/24 00:27	1
Styrene	<0.370		1.00	0.370	ug/L			09/26/24 00:27	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/26/24 00:27	1
<b>Toluene</b>	<b>0.520</b>	<b>J</b>	1.00	0.430	ug/L			09/26/24 00:27	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/26/24 00:27	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/26/24 00:27	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/26/24 00:27	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/26/24 00:27	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/26/24 00:27	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/26/24 00:27	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/26/24 00:27	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/26/24 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		73 - 130		09/26/24 00:27	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-502\_24\_09**

**Lab Sample ID: 310-291109-18**

Date Collected: 09/19/24 10:25

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		09/26/24 00:27	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/26/24 00:27	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		09/25/24 09:00	10/04/24 15:24	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:24	1
<b>Barium</b>	<b>0.188</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:24	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:24	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:24	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:24	1
<b>Cobalt</b>	<b>0.000233</b>	<b>J</b>	0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:24	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:24	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:24	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:24	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:24	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:24	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:24	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:24	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>2.88</b>		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-213A\_24\_09**

**Lab Sample ID: 310-291109-19**

Date Collected: 09/19/24 11:25

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/26/24 00:50	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/26/24 00:50	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/26/24 00:50	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/26/24 00:50	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/26/24 00:50	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/26/24 00:50	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/26/24 00:50	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/26/24 00:50	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/26/24 00:50	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/26/24 00:50	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/26/24 00:50	1
1,2-Dichloropropane	<0.270	*+	1.00	0.270	ug/L			09/26/24 00:50	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/26/24 00:50	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/26/24 00:50	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/26/24 00:50	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/26/24 00:50	1
Acetone	<3.10		10.0	3.10	ug/L			09/26/24 00:50	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/26/24 00:50	1
Benzene	<0.220		0.500	0.220	ug/L			09/26/24 00:50	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/26/24 00:50	1
Bromodichloromethane	<0.390	*+	1.00	0.390	ug/L			09/26/24 00:50	1
Bromoform	<0.780		5.00	0.780	ug/L			09/26/24 00:50	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/26/24 00:50	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/26/24 00:50	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/26/24 00:50	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/26/24 00:50	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/26/24 00:50	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/26/24 00:50	1
Chloroform	<1.30		3.00	1.30	ug/L			09/26/24 00:50	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/26/24 00:50	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/26/24 00:50	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/26/24 00:50	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/26/24 00:50	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/26/24 00:50	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/26/24 00:50	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/26/24 00:50	1
Styrene	<0.370		1.00	0.370	ug/L			09/26/24 00:50	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/26/24 00:50	1
Toluene	<0.430		1.00	0.430	ug/L			09/26/24 00:50	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/26/24 00:50	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/26/24 00:50	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/26/24 00:50	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/26/24 00:50	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/26/24 00:50	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/26/24 00:50	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/26/24 00:50	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/26/24 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130		09/26/24 00:50	1

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-213A\_24\_09**

**Lab Sample ID: 310-291109-19**

Date Collected: 09/19/24 11:25

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		09/26/24 00:50	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/26/24 00:50	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		09/25/24 09:00	10/04/24 15:26	1
<b>Arsenic</b>	<b>0.00160</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:26	1
<b>Barium</b>	<b>0.0896</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:26	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:26	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:26	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:26	1
<b>Cobalt</b>	<b>0.00847</b>		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:26	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:26	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:26	1
<b>Nickel</b>	<b>0.00427</b>	<b>J</b>	0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:26	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:26	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:26	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:26	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:26	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>3.75</b>		1.88	1.39	mg/L			09/23/24 13:20	1

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-213B\_24\_09**

**Lab Sample ID: 310-291109-20**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/26/24 01:13	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/26/24 01:13	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/26/24 01:13	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/26/24 01:13	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/26/24 01:13	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/26/24 01:13	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/26/24 01:13	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/26/24 01:13	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/26/24 01:13	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/26/24 01:13	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/26/24 01:13	1
1,2-Dichloropropane	<0.270	*+	1.00	0.270	ug/L			09/26/24 01:13	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/26/24 01:13	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/26/24 01:13	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/26/24 01:13	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/26/24 01:13	1
Acetone	<3.10		10.0	3.10	ug/L			09/26/24 01:13	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/26/24 01:13	1
Benzene	<0.220		0.500	0.220	ug/L			09/26/24 01:13	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/26/24 01:13	1
Bromodichloromethane	<0.390	*+	1.00	0.390	ug/L			09/26/24 01:13	1
Bromoform	<0.780		5.00	0.780	ug/L			09/26/24 01:13	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/26/24 01:13	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/26/24 01:13	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/26/24 01:13	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/26/24 01:13	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/26/24 01:13	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/26/24 01:13	1
Chloroform	<1.30		3.00	1.30	ug/L			09/26/24 01:13	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/26/24 01:13	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/26/24 01:13	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/26/24 01:13	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/26/24 01:13	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/26/24 01:13	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/26/24 01:13	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/26/24 01:13	1
Styrene	<0.370		1.00	0.370	ug/L			09/26/24 01:13	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/26/24 01:13	1
Toluene	<0.430		1.00	0.430	ug/L			09/26/24 01:13	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/26/24 01:13	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/26/24 01:13	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/26/24 01:13	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/26/24 01:13	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/26/24 01:13	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/26/24 01:13	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/26/24 01:13	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/26/24 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		73 - 130		09/26/24 01:13	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-213B\_24\_09**

**Lab Sample ID: 310-291109-20**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		09/26/24 01:13	1
4-Bromofluorobenzene (Surr)	94		80 - 120		09/26/24 01:13	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		09/25/24 09:00	10/04/24 15:29	1
<b>Arsenic</b>	<b>0.00114</b>	<b>J</b>	0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 15:29	1
<b>Barium</b>	<b>0.103</b>		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 15:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 15:29	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 15:29	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 15:29	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 15:29	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 15:29	1
<b>Lead</b>	<b>0.000492</b>	<b>J</b>	0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 15:29	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 15:29	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 15:29	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 15:29	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 15:29	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 15:29	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 15:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Suspended Solids (USGS I-3765-85)</b>	<b>6.75</b>		1.88	1.39	mg/L			09/23/24 13:20	1

# Definitions/Glossary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (73-130)	TOL (80-120)	BFB (80-120)
310-291109-1	GU-1_24_09	115	94	100
310-291109-2	GU-P_24_09	120	91	97
310-291109-2 MS	GU-P_24_09	106	98	97
310-291109-2 MSD	GU-P_24_09	112	96	100
310-291109-3	GU-O_24_09	111	92	100
310-291109-4	GU-L_24_09	113	95	99
310-291109-5	MW-22_24_09	115	94	101
310-291109-6	MW-24_24_09	114	92	97
310-291109-6 MS	MW-24_24_09	104	98	98
310-291109-6 MSD	MW-24_24_09	101	99	96
310-291109-7	MW-26A_24_09	109	94	103
310-291109-8	MW-29_24_09	106	93	102
310-291109-9	MW-30_24_09	110	94	101
310-291109-10	MW-302R_24_09	112	94	95
310-291109-11	MW-305_24_09	109	95	103
310-291109-12	MW-306_24_09	103	98	97
310-291109-13	MW-307A_24_09	100	99	94
310-291109-14	FD-3_24_09	113	93	96
310-291109-15	FD-4_24_09	110	95	101
310-291109-16	FB-2_24_09	109	95	98
310-291109-17	TB-2_24_09	113	95	101
310-291109-18	MW-502_24_09	107	89	98
310-291109-19	MW-213A_24_09	106	91	98
310-291109-20	MW-213B_24_09	108	91	94
310-291124-C-21 MS	Matrix Spike	87	106	100
310-291124-C-21 MSD	Matrix Spike Duplicate	91	104	102
LCS 310-433956/6	Lab Control Sample	91	104	101
LCS 310-434085/6	Lab Control Sample	108	97	95
LCS 310-434085/7	Lab Control Sample	108	92	105
LCS 310-434224/6	Lab Control Sample	110	98	99
LCS 310-434224/7	Lab Control Sample	109	94	104
LCS 310-434241/6	Lab Control Sample	107	92	97
LCS 310-434241/7	Lab Control Sample	106	91	97
MB 310-433956/5	Method Blank	96	100	98
MB 310-434085/5	Method Blank	109	91	103
MB 310-434224/5	Method Blank	111	93	99
MB 310-434241/5	Method Blank	107	92	97

**Surrogate Legend**

DBFM = Dibromofluoromethane (Surr)  
 TOL = Toluene-d8 (Surr)  
 BFB = 4-Bromofluorobenzene (Surr)

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (10-136)	TCX2 (10-130)
310-291109-5	MW-22_24_09	80	63

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# Surrogate Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (10-136)	TCX2 (10-130)
310-291109-16	FB-2_24_09	21	69

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 310-433956/5**

**Matrix: Water**

**Analysis Batch: 433956**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 07:15	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		73 - 130					09/24/24 07:15	1
Toluene-d8 (Surr)	100		80 - 120					09/24/24 07:15	1
4-Bromofluorobenzene (Surr)	98		80 - 120					09/24/24 07:15	1

**Lab Sample ID: LCS 310-433956/6**

**Matrix: Water**

**Analysis Batch: 433956**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	21.13		ug/L		106	72 - 124
Surrogate	%Recovery	LCS Qualifier	Limits				
Dibromofluoromethane (Surr)	91		73 - 130				
Toluene-d8 (Surr)	104		80 - 120				
4-Bromofluorobenzene (Surr)	101		80 - 120				

**Lab Sample ID: 310-291124-C-21 MS**

**Matrix: Water**

**Analysis Batch: 433956**

**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
Benzene	<0.220		25.0	23.03		ug/L		92	46 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
Dibromofluoromethane (Surr)	87		73 - 130						
Toluene-d8 (Surr)	106		80 - 120						
4-Bromofluorobenzene (Surr)	100		80 - 120						

**Lab Sample ID: 310-291124-C-21 MSD**

**Matrix: Water**

**Analysis Batch: 433956**

**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
Benzene	<0.220		25.0	22.47		ug/L		90	46 - 130	2	20
Surrogate	%Recovery	MSD Qualifier	Limits								
Dibromofluoromethane (Surr)	91		73 - 130								
Toluene-d8 (Surr)	104		80 - 120								
4-Bromofluorobenzene (Surr)	102		80 - 120								

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 310-434085/5**  
**Matrix: Water**  
**Analysis Batch: 434085**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/24/24 15:56	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/24/24 15:56	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/24/24 15:56	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/24/24 15:56	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/24/24 15:56	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/24/24 15:56	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/24/24 15:56	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/24/24 15:56	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/24/24 15:56	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/24/24 15:56	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/24/24 15:56	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/24/24 15:56	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/24/24 15:56	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/24/24 15:56	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/24/24 15:56	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/24/24 15:56	1
Acetone	<3.10		10.0	3.10	ug/L			09/24/24 15:56	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/24/24 15:56	1
Benzene	<0.220		0.500	0.220	ug/L			09/24/24 15:56	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/24/24 15:56	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/24/24 15:56	1
Bromoform	<0.780		5.00	0.780	ug/L			09/24/24 15:56	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/24/24 15:56	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/24/24 15:56	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/24/24 15:56	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/24/24 15:56	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/24/24 15:56	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/24/24 15:56	1
Chloroform	<1.30		3.00	1.30	ug/L			09/24/24 15:56	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/24/24 15:56	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/24/24 15:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/24/24 15:56	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/24/24 15:56	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/24/24 15:56	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/24/24 15:56	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/24/24 15:56	1
Styrene	<0.370		1.00	0.370	ug/L			09/24/24 15:56	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/24/24 15:56	1
Toluene	<0.430		1.00	0.430	ug/L			09/24/24 15:56	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/24/24 15:56	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/24/24 15:56	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/24/24 15:56	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/24/24 15:56	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/24/24 15:56	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/24/24 15:56	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/24/24 15:56	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/24/24 15:56	1

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-434085/5

Matrix: Water

Analysis Batch: 434085

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	109		73 - 130		09/24/24 15:56	1
Toluene-d8 (Surr)	91		80 - 120		09/24/24 15:56	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/24/24 15:56	1

Lab Sample ID: LCS 310-434085/6

Matrix: Water

Analysis Batch: 434085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.19		ug/L		106	73 - 129
1,1,2,2-Tetrachloroethane	20.0	18.19		ug/L		91	68 - 124
1,1,2-Trichloroethane	20.0	18.96		ug/L		95	73 - 123
1,1-Dichloroethane	20.0	17.45		ug/L		87	70 - 127
1,1-Dichloroethane	20.0	18.73		ug/L		94	63 - 132
1,2,3-Trichloropropane	20.0	18.95		ug/L		95	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	17.00		ug/L		85	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.01		ug/L		95	75 - 125
1,2-Dichlorobenzene	20.0	18.46		ug/L		92	74 - 120
1,2-Dichloroethane	20.0	19.53		ug/L		98	71 - 125
1,2-Dichloropropane	20.0	18.71		ug/L		94	73 - 124
1,4-Dichlorobenzene	20.0	17.58		ug/L		88	72 - 120
2-Butanone (MEK)	40.0	33.79		ug/L		84	50 - 150
2-Hexanone	40.0	37.44		ug/L		94	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.60		ug/L		87	60 - 139
Acetone	40.0	33.77		ug/L		84	50 - 150
Acrylonitrile	200	183.0		ug/L		92	50 - 150
Benzene	20.0	17.57		ug/L		88	72 - 124
Bromochloromethane	20.0	19.42		ug/L		97	73 - 130
Bromodichloromethane	20.0	17.93		ug/L		90	74 - 122
Bromoform	20.0	20.24		ug/L		101	61 - 122
Carbon disulfide	20.0	17.03		ug/L		85	59 - 135
Carbon tetrachloride	20.0	19.30		ug/L		97	67 - 132
Chlorobenzene	20.0	18.50		ug/L		92	76 - 120
Chlorodibromomethane	20.0	19.58		ug/L		98	71 - 121
Chloroform	20.0	19.08		ug/L		95	72 - 125
cis-1,2-Dichloroethene	20.0	18.19		ug/L		91	74 - 123
cis-1,3-Dichloropropene	20.0	18.37		ug/L		92	71 - 125
Dibromomethane	20.0	19.12		ug/L		96	74 - 125
Ethylbenzene	20.0	17.79		ug/L		89	74 - 122
Iodomethane	20.0	15.07		ug/L		75	10 - 150
Methylene Chloride	20.0	18.37		ug/L		92	50 - 150
Styrene	20.0	18.39		ug/L		92	74 - 121
Tetrachloroethene	20.0	19.65		ug/L		98	71 - 130
Toluene	20.0	18.22		ug/L		91	74 - 123
trans-1,2-Dichloroethene	20.0	18.23		ug/L		91	70 - 126
trans-1,3-Dichloropropene	20.0	18.35		ug/L		92	69 - 123
trans-1,4-Dichloro-2-butene	20.0	16.94		ug/L		85	50 - 150

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 310-434085/6**

**Matrix: Water**

**Analysis Batch: 434085**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Trichloroethene	20.0	19.94		ug/L		100	72 - 126
Vinyl acetate	40.0	34.65		ug/L		87	50 - 150
Xylenes, Total	40.0	34.97		ug/L		87	73 - 123
<b>Surrogate</b>							
		<b>LCS</b>	<b>LCS</b>				
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
Dibromofluoromethane (Surr)	108		73 - 130				
Toluene-d8 (Surr)	97		80 - 120				
4-Bromofluorobenzene (Surr)	95		80 - 120				

**Lab Sample ID: LCS 310-434085/7**

**Matrix: Water**

**Analysis Batch: 434085**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Bromomethane	20.0	23.42		ug/L		117	23 - 150
Chloroethane	20.0	18.65		ug/L		93	54 - 136
Chloromethane	20.0	19.50		ug/L		98	38 - 150
Trichlorofluoromethane	20.0	21.63		ug/L		108	54 - 149
Vinyl chloride	20.0	18.99		ug/L		95	56 - 140
<b>Surrogate</b>							
		<b>LCS</b>	<b>LCS</b>				
	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
Dibromofluoromethane (Surr)	108		73 - 130				
Toluene-d8 (Surr)	92		80 - 120				
4-Bromofluorobenzene (Surr)	105		80 - 120				

**Lab Sample ID: 310-291109-2 MS**

**Matrix: Water**

**Analysis Batch: 434085**

**Client Sample ID: GU-P\_24\_09**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.29		ug/L		85	55 - 130
1,1,1-Trichloroethane	<0.190		25.0	22.71		ug/L		91	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	19.67		ug/L		79	54 - 130
1,1,2-Trichloroethane	<0.450		25.0	20.81		ug/L		83	58 - 130
1,1-Dichloroethane	<0.220		25.0	20.02		ug/L		80	49 - 130
1,1-Dichloroethane	<0.560		25.0	20.76		ug/L		83	37 - 132
1,2,3-Trichloropropane	<0.590		25.0	20.91		ug/L		84	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	17.80		ug/L		71	38 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	21.61		ug/L		86	60 - 130
1,2-Dichlorobenzene	<0.370		25.0	20.78		ug/L		83	59 - 130
1,2-Dichloroethane	<0.390		25.0	21.53		ug/L		86	51 - 130
1,2-Dichloropropane	<0.270		25.0	21.49		ug/L		86	57 - 130
1,4-Dichlorobenzene	<0.230		25.0	20.29		ug/L		81	57 - 130
2-Butanone (MEK)	<2.10		50.0	35.50		ug/L		71	38 - 150
2-Hexanone	<2.00		50.0	39.77		ug/L		80	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	38.83		ug/L		78	47 - 139
Acetone	<3.10		50.0	36.13		ug/L		72	31 - 150
Acrylonitrile	<2.20		250	201.0		ug/L		80	40 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-291109-2 MS

Client Sample ID: GU-P\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434085

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.220		25.0	20.55		ug/L		82	46 - 130
Bromochloromethane	<0.540		25.0	23.43		ug/L		94	57 - 130
Bromodichloromethane	<0.390		25.0	21.08		ug/L		84	57 - 130
Bromoform	<0.780		25.0	21.69		ug/L		87	44 - 130
Carbon disulfide	<0.450		25.0	21.37		ug/L		85	38 - 135
Carbon tetrachloride	<0.650		25.0	21.09		ug/L		84	45 - 132
Chlorobenzene	<0.400		25.0	20.75		ug/L		83	59 - 130
Chlorodibromomethane	<0.750		25.0	22.01		ug/L		88	54 - 130
Chloroform	<1.30		25.0	21.27		ug/L		85	51 - 130
cis-1,2-Dichloroethene	<0.210		25.0	21.42		ug/L		86	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	21.72		ug/L		87	53 - 130
Dibromomethane	<0.330		25.0	21.12		ug/L		84	59 - 130
Ethylbenzene	<0.310		25.0	20.82		ug/L		83	45 - 130
Iodomethane	<7.00		25.0	19.81		ug/L		79	10 - 150
Methylene Chloride	<1.70		25.0	21.01		ug/L		84	37 - 150
Styrene	<0.370		25.0	21.56		ug/L		86	47 - 130
Tetrachloroethene	<0.480		25.0	22.93		ug/L		92	47 - 130
Toluene	<0.430		25.0	20.36		ug/L		81	51 - 130
trans-1,2-Dichloroethene	<0.270		25.0	21.94		ug/L		88	48 - 130
trans-1,3-Dichloropropene	<0.560		25.0	19.79		ug/L		79	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.42		ug/L		70	26 - 150
Trichloroethene	<0.430		25.0	22.06		ug/L		88	51 - 130
Vinyl acetate	<2.50		50.0	35.27		ug/L		71	29 - 150
Xylenes, Total	<0.400		50.0	40.78		ug/L		82	43 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: 310-291109-2 MSD

Client Sample ID: GU-P\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434085

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.19		ug/L		85	55 - 130	0	20
1,1,1-Trichloroethane	<0.190		25.0	23.62		ug/L		94	52 - 130	4	20
1,1,1,2,2-Tetrachloroethane	<0.470		25.0	19.83		ug/L		79	54 - 130	1	20
1,1,2-Trichloroethane	<0.450		25.0	20.73		ug/L		83	58 - 130	0	20
1,1-Dichloroethane	<0.220		25.0	21.77		ug/L		87	49 - 130	8	20
1,1-Dichloroethene	<0.560		25.0	21.81		ug/L		87	37 - 132	5	26
1,2,3-Trichloropropane	<0.590		25.0	21.51		ug/L		86	49 - 130	3	26
1,2-Dibromo-3-Chloropropane	<1.20		25.0	18.12		ug/L		72	38 - 150	2	20
1,2-Dibromoethane (EDB)	<0.340		25.0	22.66		ug/L		91	60 - 130	5	20
1,2-Dichlorobenzene	<0.370		25.0	21.28		ug/L		85	59 - 130	2	20
1,2-Dichloroethane	<0.390		25.0	22.18		ug/L		89	51 - 130	3	20
1,2-Dichloropropane	<0.270		25.0	21.48		ug/L		86	57 - 130	0	20
1,4-Dichlorobenzene	<0.230		25.0	20.07		ug/L		80	57 - 130	1	20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-291109-2 MSD

Client Sample ID: GU-P\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434085

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Butanone (MEK)	<2.10		50.0	35.78		ug/L		72	38 - 150	1	20
2-Hexanone	<2.00		50.0	40.76		ug/L		82	46 - 140	2	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	38.39		ug/L		77	47 - 139	1	20
Acetone	<3.10		50.0	36.67		ug/L		73	31 - 150	1	29
Acrylonitrile	<2.20		250	203.7		ug/L		81	40 - 150	1	20
Benzene	<0.220		25.0	20.87		ug/L		83	46 - 130	2	20
Bromochloromethane	<0.540		25.0	23.98		ug/L		96	57 - 130	2	20
Bromodichloromethane	<0.390		25.0	21.57		ug/L		86	57 - 130	2	20
Bromoform	<0.780		25.0	21.64		ug/L		87	44 - 130	0	20
Carbon disulfide	<0.450		25.0	19.81		ug/L		79	38 - 135	8	30
Carbon tetrachloride	<0.650		25.0	21.65		ug/L		87	45 - 132	3	20
Chlorobenzene	<0.400		25.0	20.98		ug/L		84	59 - 130	1	20
Chlorodibromomethane	<0.750		25.0	21.87		ug/L		87	54 - 130	1	20
Chloroform	<1.30		25.0	21.78		ug/L		87	51 - 130	2	20
cis-1,2-Dichloroethene	<0.210		25.0	22.38		ug/L		90	45 - 130	4	20
cis-1,3-Dichloropropene	<0.250		25.0	21.42		ug/L		86	53 - 130	1	20
Dibromomethane	<0.330		25.0	22.51		ug/L		90	59 - 130	6	20
Ethylbenzene	<0.310		25.0	19.99		ug/L		80	45 - 130	4	20
Iodomethane	<7.00		25.0	21.60		ug/L		86	10 - 150	9	35
Methylene Chloride	<1.70		25.0	21.10		ug/L		84	37 - 150	0	24
Styrene	<0.370		25.0	21.19		ug/L		85	47 - 130	2	20
Tetrachloroethene	<0.480		25.0	23.99		ug/L		96	47 - 130	5	20
Toluene	<0.430		25.0	20.92		ug/L		84	51 - 130	3	20
trans-1,2-Dichloroethene	<0.270		25.0	21.54		ug/L		86	48 - 130	2	22
trans-1,3-Dichloropropene	<0.560		25.0	20.53		ug/L		82	50 - 130	4	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.10		ug/L		68	26 - 150	2	23
Trichloroethene	<0.430		25.0	22.45		ug/L		90	51 - 130	2	20
Vinyl acetate	<2.50		50.0	33.20		ug/L		66	29 - 150	6	23
Xylenes, Total	<0.400		50.0	40.12		ug/L		80	43 - 130	2	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	112		73 - 130
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Lab Sample ID: MB 310-434224/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434224

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 13:43	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 13:43	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 13:43	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 13:43	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 13:43	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 13:43	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 13:43	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 13:43	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-434224/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434224

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 13:43	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 13:43	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 13:43	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 13:43	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 13:43	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 13:43	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 13:43	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 13:43	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 13:43	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 13:43	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 13:43	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 13:43	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 13:43	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 13:43	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 13:43	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 13:43	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 13:43	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 13:43	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 13:43	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 13:43	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 13:43	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 13:43	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 13:43	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 13:43	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 13:43	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 13:43	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 13:43	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 13:43	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 13:43	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 13:43	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 13:43	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 13:43	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 13:43	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 13:43	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 13:43	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 13:43	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 13:43	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 13:43	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 13:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	111		73 - 130		09/25/24 13:43	1
Toluene-d8 (Surr)	93		80 - 120		09/25/24 13:43	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/25/24 13:43	1

Eurofins Cedar Falls

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-434224/6

Matrix: Water

Analysis Batch: 434224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.92		ug/L		100	71 - 120
1,1,1-Trichloroethane	20.0	20.81		ug/L		104	73 - 129
1,1,2,2-Tetrachloroethane	20.0	17.14		ug/L		86	68 - 124
1,1,2-Trichloroethane	20.0	18.36		ug/L		92	73 - 123
1,1-Dichloroethane	20.0	18.73		ug/L		94	70 - 127
1,1-Dichloroethene	20.0	19.00		ug/L		95	63 - 132
1,2,3-Trichloropropane	20.0	16.93		ug/L		85	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	17.02		ug/L		85	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.28		ug/L		91	75 - 125
1,2-Dichlorobenzene	20.0	17.93		ug/L		90	74 - 120
1,2-Dichloroethane	20.0	19.07		ug/L		95	71 - 125
1,2-Dichloropropane	20.0	18.00		ug/L		90	73 - 124
1,4-Dichlorobenzene	20.0	17.36		ug/L		87	72 - 120
2-Butanone (MEK)	40.0	29.47		ug/L		74	50 - 150
2-Hexanone	40.0	35.29		ug/L		88	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.16		ug/L		83	60 - 139
Acetone	40.0	32.58		ug/L		81	50 - 150
Acrylonitrile	200	173.1		ug/L		87	50 - 150
Benzene	20.0	18.15		ug/L		91	72 - 124
Bromochloromethane	20.0	20.34		ug/L		102	73 - 130
Bromodichloromethane	20.0	18.57		ug/L		93	74 - 122
Bromoform	20.0	19.64		ug/L		98	61 - 122
Carbon disulfide	20.0	17.22		ug/L		86	59 - 135
Carbon tetrachloride	20.0	19.76		ug/L		99	67 - 132
Chlorobenzene	20.0	17.87		ug/L		89	76 - 120
Chlorodibromomethane	20.0	20.47		ug/L		102	71 - 121
Chloroform	20.0	18.82		ug/L		94	72 - 125
cis-1,2-Dichloroethene	20.0	18.94		ug/L		95	74 - 123
cis-1,3-Dichloropropene	20.0	19.21		ug/L		96	71 - 125
Dibromomethane	20.0	19.52		ug/L		98	74 - 125
Ethylbenzene	20.0	17.58		ug/L		88	74 - 122
Iodomethane	20.0	14.91		ug/L		75	10 - 150
Methylene Chloride	20.0	17.98		ug/L		90	50 - 150
Styrene	20.0	17.96		ug/L		90	74 - 121
Tetrachloroethene	20.0	20.82		ug/L		104	71 - 130
Toluene	20.0	18.05		ug/L		90	74 - 123
trans-1,2-Dichloroethene	20.0	18.32		ug/L		92	70 - 126
trans-1,3-Dichloropropene	20.0	18.46		ug/L		92	69 - 123
trans-1,4-Dichloro-2-butene	20.0	15.24		ug/L		76	50 - 150
Trichloroethene	20.0	19.86		ug/L		99	72 - 126
Vinyl acetate	40.0	30.19		ug/L		75	50 - 150
Xylenes, Total	40.0	34.54		ug/L		86	73 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	110		73 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-434224/7

Matrix: Water

Analysis Batch: 434224

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	23.17		ug/L		116	23 - 150
Chloroethane	20.0	18.64		ug/L		93	54 - 136
Chloromethane	20.0	20.36		ug/L		102	38 - 150
Trichlorofluoromethane	20.0	22.73		ug/L		114	54 - 149
Vinyl chloride	20.0	20.02		ug/L		100	56 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	109		73 - 130
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

Lab Sample ID: 310-291109-6 MS

Matrix: Water

Analysis Batch: 434224

Client Sample ID: MW-24\_24\_09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.89		ug/L		88	55 - 130
1,1,1-Trichloroethane	<0.190		25.0	22.97		ug/L		92	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	19.16		ug/L		77	54 - 130
1,1,2-Trichloroethane	<0.450		25.0	20.44		ug/L		82	58 - 130
1,1-Dichloroethane	<0.220		25.0	20.37		ug/L		81	49 - 130
1,1-Dichloroethene	<0.560		25.0	21.15		ug/L		85	37 - 132
1,2,3-Trichloropropane	<0.590		25.0	20.16		ug/L		81	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	19.29		ug/L		77	38 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	20.75		ug/L		83	60 - 130
1,2-Dichlorobenzene	<0.370		25.0	21.09		ug/L		84	59 - 130
1,2-Dichloroethane	<0.390		25.0	21.23		ug/L		85	51 - 130
1,2-Dichloropropane	<0.270		25.0	21.04		ug/L		84	57 - 130
1,4-Dichlorobenzene	<0.230		25.0	20.76		ug/L		83	57 - 130
2-Butanone (MEK)	<2.10		50.0	33.65		ug/L		67	38 - 150
2-Hexanone	<2.00		50.0	41.35		ug/L		83	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	38.95		ug/L		78	47 - 139
Acetone	<3.10		50.0	34.43		ug/L		69	31 - 150
Acrylonitrile	<2.20		250	196.3		ug/L		79	40 - 150
Benzene	<0.220		25.0	20.09		ug/L		80	46 - 130
Bromochloromethane	<0.540		25.0	22.10		ug/L		88	57 - 130
Bromodichloromethane	<0.390		25.0	21.00		ug/L		84	57 - 130
Bromoform	<0.780		25.0	22.52		ug/L		90	44 - 130
Carbon disulfide	<0.450		25.0	21.73		ug/L		87	38 - 135
Carbon tetrachloride	<0.650		25.0	21.97		ug/L		88	45 - 132
Chlorobenzene	<0.400		25.0	20.54		ug/L		82	59 - 130
Chlorodibromomethane	<0.750		25.0	22.75		ug/L		91	54 - 130
Chloroform	<1.30		25.0	21.62		ug/L		86	51 - 130
cis-1,2-Dichloroethene	<0.210		25.0	21.37		ug/L		85	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	20.67		ug/L		83	53 - 130
Dibromomethane	<0.330		25.0	21.23		ug/L		85	59 - 130
Ethylbenzene	<0.310		25.0	19.76		ug/L		79	45 - 130
Iodomethane	<7.00		25.0	18.83		ug/L		75	10 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-291109-6 MS

Client Sample ID: MW-24\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434224

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Methylene Chloride	<1.70		25.0	19.14		ug/L		77		37 - 150
Styrene	<0.370		25.0	20.84		ug/L		83		47 - 130
Tetrachloroethene	<0.480		25.0	22.62		ug/L		90		47 - 130
Toluene	<0.430		25.0	20.22		ug/L		81		51 - 130
trans-1,2-Dichloroethene	<0.270		25.0	21.35		ug/L		85		48 - 130
trans-1,3-Dichloropropene	<0.560		25.0	19.73		ug/L		79		50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	18.44		ug/L		74		26 - 150
Trichloroethene	<0.430		25.0	22.66		ug/L		91		51 - 130
Vinyl acetate	<2.50		50.0	34.79		ug/L		70		29 - 150
Xylenes, Total	<0.400		50.0	40.70		ug/L		81		43 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	104		73 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120

Lab Sample ID: 310-291109-6 MSD

Client Sample ID: MW-24\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434224

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.39		ug/L		86		55 - 130	2		20
1,1,1-Trichloroethane	<0.190		25.0	22.78		ug/L		91		52 - 130	1		20
1,1,1,2-Tetrachloroethane	<0.470		25.0	20.67		ug/L		83		54 - 130	8		20
1,1,2-Trichloroethane	<0.450		25.0	20.25		ug/L		81		58 - 130	1		20
1,1-Dichloroethane	<0.220		25.0	19.87		ug/L		79		49 - 130	2		20
1,1-Dichloroethene	<0.560		25.0	20.86		ug/L		83		37 - 132	1		26
1,2,3-Trichloropropane	<0.590		25.0	21.06		ug/L		84		49 - 130	4		26
1,2-Dibromo-3-Chloropropane	<1.20		25.0	19.15		ug/L		77		38 - 150	1		20
1,2-Dibromoethane (EDB)	<0.340		25.0	20.84		ug/L		83		60 - 130	0		20
1,2-Dichlorobenzene	<0.370		25.0	20.32		ug/L		81		59 - 130	4		20
1,2-Dichloroethane	<0.390		25.0	21.15		ug/L		85		51 - 130	0		20
1,2-Dichloropropane	<0.270		25.0	20.40		ug/L		82		57 - 130	3		20
1,4-Dichlorobenzene	<0.230		25.0	19.45		ug/L		78		57 - 130	7		20
2-Butanone (MEK)	<2.10		50.0	38.09		ug/L		76		38 - 150	12		20
2-Hexanone	<2.00		50.0	40.89		ug/L		82		46 - 140	1		20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	39.21		ug/L		78		47 - 139	1		20
Acetone	<3.10		50.0	35.85		ug/L		72		31 - 150	4		29
Acrylonitrile	<2.20		250	197.2		ug/L		79		40 - 150	0		20
Benzene	<0.220		25.0	20.07		ug/L		80		46 - 130	0		20
Bromochloromethane	<0.540		25.0	21.87		ug/L		87		57 - 130	1		20
Bromodichloromethane	<0.390		25.0	21.42		ug/L		86		57 - 130	2		20
Bromoform	<0.780		25.0	22.82		ug/L		91		44 - 130	1		20
Carbon disulfide	<0.450		25.0	19.89		ug/L		80		38 - 135	9		30
Carbon tetrachloride	<0.650		25.0	22.49		ug/L		90		45 - 132	2		20
Chlorobenzene	<0.400		25.0	20.81		ug/L		83		59 - 130	1		20
Chlorodibromomethane	<0.750		25.0	21.39		ug/L		86		54 - 130	6		20
Chloroform	<1.30		25.0	21.43		ug/L		86		51 - 130	1		20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-291109-6 MSD

Client Sample ID: MW-24\_24\_09

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434224

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
cis-1,2-Dichloroethene	<0.210		25.0	20.21		ug/L		81	45 - 130	6	20
cis-1,3-Dichloropropene	<0.250		25.0	20.70		ug/L		83	53 - 130	0	20
Dibromomethane	<0.330		25.0	21.45		ug/L		86	59 - 130	1	20
Ethylbenzene	<0.310		25.0	20.01		ug/L		80	45 - 130	1	20
Iodomethane	<7.00		25.0	19.85		ug/L		79	10 - 150	5	35
Methylene Chloride	<1.70		25.0	20.25		ug/L		81	37 - 150	6	24
Styrene	<0.370		25.0	20.64		ug/L		83	47 - 130	1	20
Tetrachloroethene	<0.480		25.0	22.14		ug/L		89	47 - 130	2	20
Toluene	<0.430		25.0	19.99		ug/L		80	51 - 130	1	20
trans-1,2-Dichloroethene	<0.270		25.0	20.96		ug/L		84	48 - 130	2	22
trans-1,3-Dichloropropene	<0.560		25.0	20.94		ug/L		84	50 - 130	6	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.48		ug/L		70	26 - 150	5	23
Trichloroethene	<0.430		25.0	22.68		ug/L		91	51 - 130	0	20
Vinyl acetate	<2.50		50.0	36.33		ug/L		73	29 - 150	4	23
Xylenes, Total	<0.400		50.0	40.00		ug/L		80	43 - 130	2	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	101		73 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Lab Sample ID: MB 310-434241/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434241

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/25/24 21:25	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/25/24 21:25	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/25/24 21:25	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/25/24 21:25	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/25/24 21:25	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/25/24 21:25	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/25/24 21:25	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/25/24 21:25	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/25/24 21:25	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/25/24 21:25	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/25/24 21:25	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/25/24 21:25	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/25/24 21:25	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/25/24 21:25	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/25/24 21:25	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/25/24 21:25	1
Acetone	<3.10		10.0	3.10	ug/L			09/25/24 21:25	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/25/24 21:25	1
Benzene	<0.220		0.500	0.220	ug/L			09/25/24 21:25	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/25/24 21:25	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/25/24 21:25	1
Bromoform	<0.780		5.00	0.780	ug/L			09/25/24 21:25	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-434241/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434241

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromomethane	<1.10		4.00	1.10	ug/L			09/25/24 21:25	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/25/24 21:25	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/25/24 21:25	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/25/24 21:25	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/25/24 21:25	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/25/24 21:25	1
Chloroform	<1.30		3.00	1.30	ug/L			09/25/24 21:25	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/25/24 21:25	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/25/24 21:25	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/25/24 21:25	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/25/24 21:25	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/25/24 21:25	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/25/24 21:25	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/25/24 21:25	1
Styrene	<0.370		1.00	0.370	ug/L			09/25/24 21:25	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/25/24 21:25	1
Toluene	<0.430		1.00	0.430	ug/L			09/25/24 21:25	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/25/24 21:25	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/25/24 21:25	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/25/24 21:25	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/25/24 21:25	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/25/24 21:25	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/25/24 21:25	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			09/25/24 21:25	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/25/24 21:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	107		73 - 130		09/25/24 21:25	1
Toluene-d8 (Surr)	92		80 - 120		09/25/24 21:25	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/25/24 21:25	1

Lab Sample ID: LCS 310-434241/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 434241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.96		ug/L		120	73 - 129
1,1,1,2,2-Tetrachloroethane	20.0	21.23		ug/L		106	68 - 124
1,1,2-Trichloroethane	20.0	21.03		ug/L		105	73 - 123
1,1-Dichloroethane	20.0	23.86		ug/L		119	70 - 127
1,1-Dichloroethene	20.0	23.51		ug/L		118	63 - 132
1,2,3-Trichloropropane	20.0	21.04		ug/L		105	65 - 127
1,2-Dibromo-3-Chloropropane	20.0	20.32		ug/L		102	50 - 150
1,2-Dibromoethane (EDB)	20.0	20.31		ug/L		102	75 - 125
1,2-Dichlorobenzene	20.0	20.32		ug/L		102	74 - 120
1,2-Dichloroethane	20.0	23.22		ug/L		116	71 - 125
1,2-Dichloropropane	20.0	24.96	*+	ug/L		125	73 - 124

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-434241/6

Matrix: Water

Analysis Batch: 434241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	20.0	19.80		ug/L		99	72 - 120
2-Butanone (MEK)	40.0	43.54		ug/L		109	50 - 150
2-Hexanone	40.0	44.17		ug/L		110	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	43.70		ug/L		109	60 - 139
Acetone	40.0	38.99		ug/L		97	50 - 150
Acrylonitrile	200	233.5		ug/L		117	50 - 150
Benzene	20.0	24.06		ug/L		120	72 - 124
Bromochloromethane	20.0	22.98		ug/L		115	73 - 130
Bromodichloromethane	20.0	24.77	*+	ug/L		124	74 - 122
Bromoform	20.0	20.94		ug/L		105	61 - 122
Carbon disulfide	20.0	22.86		ug/L		114	59 - 135
Carbon tetrachloride	20.0	24.40		ug/L		122	67 - 132
Chlorobenzene	20.0	20.30		ug/L		102	76 - 120
Chlorodibromomethane	20.0	20.12		ug/L		101	71 - 121
Chloroform	20.0	23.48		ug/L		117	72 - 125
cis-1,2-Dichloroethene	20.0	23.84		ug/L		119	74 - 123
cis-1,3-Dichloropropene	20.0	20.20		ug/L		101	71 - 125
Dibromomethane	20.0	23.98		ug/L		120	74 - 125
Ethylbenzene	20.0	21.49		ug/L		107	74 - 122
Iodomethane	20.0	18.10		ug/L		90	10 - 150
Methylene Chloride	20.0	21.65		ug/L		108	50 - 150
Styrene	20.0	21.71		ug/L		109	74 - 121
Tetrachloroethene	20.0	20.56		ug/L		103	71 - 130
Toluene	20.0	20.35		ug/L		102	74 - 123
trans-1,2-Dichloroethene	20.0	23.08		ug/L		115	70 - 126
trans-1,3-Dichloropropene	20.0	23.50		ug/L		118	69 - 123
trans-1,4-Dichloro-2-butene	20.0	22.25		ug/L		111	50 - 150
Trichloroethene	20.0	23.67		ug/L		118	72 - 126
Vinyl acetate	40.0	47.25		ug/L		118	50 - 150
Xylenes, Total	40.0	42.80		ug/L		107	73 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	107		73 - 130
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: LCS 310-434241/7

Matrix: Water

Analysis Batch: 434241

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	14.17		ug/L		71	23 - 150
Chloroethane	20.0	26.14		ug/L		131	54 - 136
Chloromethane	20.0	18.70		ug/L		93	38 - 150
Trichlorofluoromethane	20.0	29.79		ug/L		149	54 - 149
Vinyl chloride	20.0	25.64		ug/L		128	56 - 140

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-434241/7  
 Matrix: Water  
 Analysis Batch: 434241

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	106		73 - 130
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120

## Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-434159/1-A  
 Matrix: Water  
 Analysis Batch: 435360

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 434159

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00100		0.00200	0.00100	mg/L		09/25/24 09:00	10/04/24 14:10	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/25/24 09:00	10/04/24 14:10	1
Barium	<0.000660		0.00200	0.000660	mg/L		09/25/24 09:00	10/04/24 14:10	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/25/24 09:00	10/04/24 14:10	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/25/24 09:00	10/04/24 14:10	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/25/24 09:00	10/04/24 14:10	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/25/24 09:00	10/04/24 14:10	1
Copper	<0.00180		0.00500	0.00180	mg/L		09/25/24 09:00	10/04/24 14:10	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/25/24 09:00	10/04/24 14:10	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/25/24 09:00	10/04/24 14:10	1
Selenium	<0.00140		0.00500	0.00140	mg/L		09/25/24 09:00	10/04/24 14:10	1
Silver	<0.000500	^1+	0.00100	0.000500	mg/L		09/25/24 09:00	10/04/24 14:10	1
Thallium	<0.000570		0.00100	0.000570	mg/L		09/25/24 09:00	10/04/24 14:10	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/25/24 09:00	10/04/24 14:10	1
Zinc	<0.00970		0.0200	0.00970	mg/L		09/25/24 09:00	10/04/24 14:10	1

Lab Sample ID: LCS 310-434159/2-A  
 Matrix: Water  
 Analysis Batch: 435360

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 434159

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	0.200	0.2195		mg/L		110	80 - 120
Arsenic	0.200	0.2071		mg/L		104	80 - 120
Barium	0.100	0.1012		mg/L		101	80 - 120
Beryllium	0.100	0.09762		mg/L		98	80 - 120
Cadmium	0.100	0.09921		mg/L		99	80 - 120
Chromium	0.100	0.09443		mg/L		94	80 - 120
Cobalt	0.100	0.1042		mg/L		104	80 - 120
Copper	0.200	0.2101		mg/L		105	80 - 120
Lead	0.200	0.2029		mg/L		101	80 - 120
Nickel	0.200	0.1999		mg/L		100	80 - 120
Selenium	0.400	0.3904		mg/L		98	80 - 120
Silver	0.100	0.1057	^1+	mg/L		106	80 - 120
Thallium	0.100	0.09113		mg/L		91	80 - 120
Vanadium	0.100	0.09038		mg/L		90	80 - 120
Zinc	0.200	0.1876		mg/L		94	80 - 120



# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-291109-1 MS

Matrix: Water

Analysis Batch: 435360

Client Sample ID: GU-1\_24\_09

Prep Type: Total/NA

Prep Batch: 434159

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec	
	Result			Result					Limits	Limits
Antimony	<0.00100		0.200	0.2314		mg/L		116	75 - 125	
Arsenic	0.00243		0.200	0.2225		mg/L		110	75 - 125	
Barium	0.195		0.100	0.3054		mg/L		110	75 - 125	
Beryllium	<0.000330		0.100	0.1062		mg/L		106	75 - 125	
Cadmium	<0.000100		0.100	0.09924		mg/L		99	75 - 125	
Chromium	0.00140	J	0.100	0.1024		mg/L		101	75 - 125	
Cobalt	0.00205		0.100	0.1064		mg/L		104	75 - 125	
Copper	<0.00180		0.200	0.2041		mg/L		102	75 - 125	
Lead	<0.000260		0.200	0.1993		mg/L		100	75 - 125	
Nickel	0.0424		0.200	0.2489		mg/L		103	75 - 125	
Selenium	<0.00140		0.400	0.4158		mg/L		104	75 - 125	
Silver	<0.000500	^1+	0.100	0.1074	^1+	mg/L		107	75 - 125	
Thallium	<0.000570		0.100	0.09636		mg/L		96	75 - 125	
Vanadium	<0.00110		0.100	0.09631		mg/L		96	75 - 125	
Zinc	0.0116	J	0.200	0.2095		mg/L		99	75 - 125	

Lab Sample ID: 310-291109-1 MSD

Matrix: Water

Analysis Batch: 435360

Client Sample ID: GU-1\_24\_09

Prep Type: Total/NA

Prep Batch: 434159

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
	Result			Result					Limits	Limits	RPD	Limit
Antimony	<0.00100		0.200	0.2380		mg/L		119	75 - 125	3	20	
Arsenic	0.00243		0.200	0.2227		mg/L		110	75 - 125	0	20	
Barium	0.195		0.100	0.2898		mg/L		95	75 - 125	5	20	
Beryllium	<0.000330		0.100	0.1057		mg/L		106	75 - 125	0	20	
Cadmium	<0.000100		0.100	0.09703		mg/L		97	75 - 125	2	20	
Chromium	0.00140	J	0.100	0.09925		mg/L		98	75 - 125	3	20	
Cobalt	0.00205		0.100	0.1029		mg/L		101	75 - 125	3	20	
Copper	<0.00180		0.200	0.2038		mg/L		102	75 - 125	0	20	
Lead	<0.000260		0.200	0.1976		mg/L		99	75 - 125	1	20	
Nickel	0.0424		0.200	0.2440		mg/L		101	75 - 125	2	20	
Selenium	<0.00140		0.400	0.4158		mg/L		104	75 - 125	0	20	
Silver	<0.000500	^1+	0.100	0.09962	^1+	mg/L		100	75 - 125	8	20	
Thallium	<0.000570		0.100	0.09916		mg/L		99	75 - 125	3	20	
Vanadium	<0.00110		0.100	0.09633		mg/L		96	75 - 125	0	20	
Zinc	0.0116	J	0.200	0.2076		mg/L		98	75 - 125	1	20	

Lab Sample ID: 310-291109-11 DU

Matrix: Water

Analysis Batch: 435360

Client Sample ID: MW-305\_24\_09

Prep Type: Total/NA

Prep Batch: 434159

Analyte	Sample	Sample Qualifier	DU		Unit	D	RPD	RPD	
	Result		Result	Qualifier				Limit	
Antimony	<0.00100		<0.00100		mg/L		NC	20	
Arsenic	<0.000530		<0.000530		mg/L		NC	20	
Barium	0.0426		0.04341		mg/L		2	20	
Beryllium	<0.000330		<0.000330		mg/L		NC	20	
Cadmium	<0.000100		<0.000100		mg/L		NC	20	
Chromium	<0.00120		<0.00120		mg/L		NC	20	
Cobalt	0.00170		0.001737		mg/L		2	20	

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-291109-11 DU  
 Matrix: Water  
 Analysis Batch: 435360

Client Sample ID: MW-305\_24\_09  
 Prep Type: Total/NA  
 Prep Batch: 434159

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Copper	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000260		<0.000260		mg/L		NC	20
Nickel	0.00302	J	0.002962	J	mg/L		2	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500	^1+	<0.000500	^1+	mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00110		<0.00110		mg/L		NC	20
Zinc	<0.00970		<0.00970		mg/L		NC	20

## Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-787795/1-A  
 Matrix: Water  
 Analysis Batch: 787796

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 787795

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfide	<0.231		1.00	0.231	mg/L		09/25/24 18:00	09/25/24 22:01	1

Lab Sample ID: LCS 500-787795/2-A  
 Matrix: Water  
 Analysis Batch: 787796

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 787795

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Sulfide	3.64	3.424		mg/L		94	80 - 120

Lab Sample ID: 310-291109-16 MS  
 Matrix: Water  
 Analysis Batch: 787796

Client Sample ID: FB-2\_24\_09  
 Prep Type: Total/NA  
 Prep Batch: 787795

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Sulfide	<0.231		9.09	9.640		mg/L		106	75 - 125

Lab Sample ID: 310-291109-16 MSD  
 Matrix: Water  
 Analysis Batch: 787796

Client Sample ID: FB-2\_24\_09  
 Prep Type: Total/NA  
 Prep Batch: 787795

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Sulfide	<0.231		9.09	8.960		mg/L		99	75 - 125	7	20

## Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-433958/1  
 Matrix: Water  
 Analysis Batch: 433958

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	<3.70		5.00	3.70	mg/L			09/23/24 11:26	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

**Lab Sample ID: LCS 310-433958/2**  
**Matrix: Water**  
**Analysis Batch: 433958**

**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	81 - 116

**Lab Sample ID: 310-291138-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 433958**

**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	4.00	J	<3.70		mg/L		NC	35

**Lab Sample ID: MB 310-433986/1**  
**Matrix: Water**  
**Analysis Batch: 433986**

**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	<3.70		5.00	3.70	mg/L			09/23/24 13:20	1

**Lab Sample ID: LCS 310-433986/2**  
**Matrix: Water**  
**Analysis Batch: 433986**

**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	81 - 116

**Lab Sample ID: 310-291080-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 433986**

**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	160		156.0		mg/L		3	35

**Lab Sample ID: 310-291142-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 433986**

**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	83.0		111.0		mg/L		29	35

**Lab Sample ID: MB 310-434107/1**  
**Matrix: Water**  
**Analysis Batch: 434107**

**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	<3.70		5.00	3.70	mg/L			09/24/24 11:08	1

**Lab Sample ID: LCS 310-434107/2**  
**Matrix: Water**  
**Analysis Batch: 434107**

**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	81 - 116

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Method: I-3765-85 - Residue, Non-filterable (TSS)

**Lab Sample ID: 310-291107-D-1 DU**  
**Matrix: Water**  
**Analysis Batch: 434107**

**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	840		852.0		mg/L		1	35

**Lab Sample ID: 310-291120-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 434107**

**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	196		184.0		mg/L		6	35



# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## GC/MS VOA

### Analysis Batch: 433956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-12	MW-306_24_09	Total/NA	Water	8260D	
310-291109-13	MW-307A_24_09	Total/NA	Water	8260D	
MB 310-433956/5	Method Blank	Total/NA	Water	8260D	
LCS 310-433956/6	Lab Control Sample	Total/NA	Water	8260D	
310-291124-C-21 MS	Matrix Spike	Total/NA	Water	8260D	
310-291124-C-21 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 434085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-1	GU-1_24_09	Total/NA	Water	8260D	
310-291109-2	GU-P_24_09	Total/NA	Water	8260D	
310-291109-3	GU-O_24_09	Total/NA	Water	8260D	
310-291109-4	GU-L_24_09	Total/NA	Water	8260D	
310-291109-5	MW-22_24_09	Total/NA	Water	8260D	
MB 310-434085/5	Method Blank	Total/NA	Water	8260D	
LCS 310-434085/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-434085/7	Lab Control Sample	Total/NA	Water	8260D	
310-291109-2 MS	GU-P_24_09	Total/NA	Water	8260D	
310-291109-2 MSD	GU-P_24_09	Total/NA	Water	8260D	

### Analysis Batch: 434224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-6	MW-24_24_09	Total/NA	Water	8260D	
310-291109-7	MW-26A_24_09	Total/NA	Water	8260D	
310-291109-8	MW-29_24_09	Total/NA	Water	8260D	
310-291109-9	MW-30_24_09	Total/NA	Water	8260D	
310-291109-10	MW-302R_24_09	Total/NA	Water	8260D	
310-291109-11	MW-305_24_09	Total/NA	Water	8260D	
310-291109-14	FD-3_24_09	Total/NA	Water	8260D	
310-291109-15	FD-4_24_09	Total/NA	Water	8260D	
310-291109-16	FB-2_24_09	Total/NA	Water	8260D	
310-291109-17	TB-2_24_09	Total/NA	Water	8260D	
MB 310-434224/5	Method Blank	Total/NA	Water	8260D	
LCS 310-434224/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-434224/7	Lab Control Sample	Total/NA	Water	8260D	
310-291109-6 MS	MW-24_24_09	Total/NA	Water	8260D	
310-291109-6 MSD	MW-24_24_09	Total/NA	Water	8260D	

### Analysis Batch: 434241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-18	MW-502_24_09	Total/NA	Water	8260D	
310-291109-19	MW-213A_24_09	Total/NA	Water	8260D	
310-291109-20	MW-213B_24_09	Total/NA	Water	8260D	
MB 310-434241/5	Method Blank	Total/NA	Water	8260D	
LCS 310-434241/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-434241/7	Lab Control Sample	Total/NA	Water	8260D	

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## GC Semi VOA

### Prep Batch: 433983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-5	MW-22_24_09	Total/NA	Water	3511	
310-291109-16	FB-2_24_09	Total/NA	Water	3511	

### Analysis Batch: 434796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-5	MW-22_24_09	Total/NA	Water	8081B	433983
310-291109-16	FB-2_24_09	Total/NA	Water	8081B	433983

## Metals

### Prep Batch: 434159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-1	GU-1_24_09	Total/NA	Water	3005A	
310-291109-2	GU-P_24_09	Total/NA	Water	3005A	
310-291109-3	GU-O_24_09	Total/NA	Water	3005A	
310-291109-4	GU-L_24_09	Total/NA	Water	3005A	
310-291109-5	MW-22_24_09	Total/NA	Water	3005A	
310-291109-6	MW-24_24_09	Total/NA	Water	3005A	
310-291109-7	MW-26A_24_09	Total/NA	Water	3005A	
310-291109-8	MW-29_24_09	Total/NA	Water	3005A	
310-291109-9	MW-30_24_09	Total/NA	Water	3005A	
310-291109-10	MW-302R_24_09	Total/NA	Water	3005A	
310-291109-11	MW-305_24_09	Total/NA	Water	3005A	
310-291109-12	MW-306_24_09	Total/NA	Water	3005A	
310-291109-13	MW-307A_24_09	Total/NA	Water	3005A	
310-291109-14	FD-3_24_09	Total/NA	Water	3005A	
310-291109-15	FD-4_24_09	Total/NA	Water	3005A	
310-291109-16	FB-2_24_09	Total/NA	Water	3005A	
310-291109-18	MW-502_24_09	Total/NA	Water	3005A	
310-291109-19	MW-213A_24_09	Total/NA	Water	3005A	
310-291109-20	MW-213B_24_09	Total/NA	Water	3005A	
MB 310-434159/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-434159/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-291109-1 MS	GU-1_24_09	Total/NA	Water	3005A	
310-291109-1 MSD	GU-1_24_09	Total/NA	Water	3005A	
310-291109-11 DU	MW-305_24_09	Total/NA	Water	3005A	

### Analysis Batch: 435360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-1	GU-1_24_09	Total/NA	Water	6020B	434159
310-291109-2	GU-P_24_09	Total/NA	Water	6020B	434159
310-291109-3	GU-O_24_09	Total/NA	Water	6020B	434159
310-291109-4	GU-L_24_09	Total/NA	Water	6020B	434159
310-291109-5	MW-22_24_09	Total/NA	Water	6020B	434159
310-291109-6	MW-24_24_09	Total/NA	Water	6020B	434159
310-291109-7	MW-26A_24_09	Total/NA	Water	6020B	434159
310-291109-8	MW-29_24_09	Total/NA	Water	6020B	434159
310-291109-9	MW-30_24_09	Total/NA	Water	6020B	434159
310-291109-10	MW-302R_24_09	Total/NA	Water	6020B	434159
310-291109-11	MW-305_24_09	Total/NA	Water	6020B	434159
310-291109-12	MW-306_24_09	Total/NA	Water	6020B	434159

Eurofins Cedar Falls

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Metals (Continued)

### Analysis Batch: 435360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-13	MW-307A_24_09	Total/NA	Water	6020B	434159
310-291109-14	FD-3_24_09	Total/NA	Water	6020B	434159
310-291109-15	FD-4_24_09	Total/NA	Water	6020B	434159
310-291109-16	FB-2_24_09	Total/NA	Water	6020B	434159
310-291109-18	MW-502_24_09	Total/NA	Water	6020B	434159
310-291109-19	MW-213A_24_09	Total/NA	Water	6020B	434159
310-291109-20	MW-213B_24_09	Total/NA	Water	6020B	434159
MB 310-434159/1-A	Method Blank	Total/NA	Water	6020B	434159
LCS 310-434159/2-A	Lab Control Sample	Total/NA	Water	6020B	434159
310-291109-1 MS	GU-1_24_09	Total/NA	Water	6020B	434159
310-291109-1 MSD	GU-1_24_09	Total/NA	Water	6020B	434159
310-291109-11 DU	MW-305_24_09	Total/NA	Water	6020B	434159

## General Chemistry

### Analysis Batch: 433958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-1	GU-1_24_09	Total/NA	Water	I-3765-85	
310-291109-2	GU-P_24_09	Total/NA	Water	I-3765-85	
310-291109-3	GU-O_24_09	Total/NA	Water	I-3765-85	
310-291109-5	MW-22_24_09	Total/NA	Water	I-3765-85	
310-291109-12	MW-306_24_09	Total/NA	Water	I-3765-85	
MB 310-433958/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-433958/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-291138-C-1 DU	Duplicate	Total/NA	Water	I-3765-85	

### Analysis Batch: 433986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-4	GU-L_24_09	Total/NA	Water	I-3765-85	
310-291109-6	MW-24_24_09	Total/NA	Water	I-3765-85	
310-291109-7	MW-26A_24_09	Total/NA	Water	I-3765-85	
310-291109-15	FD-4_24_09	Total/NA	Water	I-3765-85	
310-291109-16	FB-2_24_09	Total/NA	Water	I-3765-85	
310-291109-18	MW-502_24_09	Total/NA	Water	I-3765-85	
310-291109-19	MW-213A_24_09	Total/NA	Water	I-3765-85	
310-291109-20	MW-213B_24_09	Total/NA	Water	I-3765-85	
MB 310-433986/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-433986/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-291080-A-1 DU	Duplicate	Total/NA	Water	I-3765-85	
310-291142-B-1 DU	Duplicate	Total/NA	Water	I-3765-85	

### Analysis Batch: 434107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-8	MW-29_24_09	Total/NA	Water	I-3765-85	
310-291109-9	MW-30_24_09	Total/NA	Water	I-3765-85	
310-291109-10	MW-302R_24_09	Total/NA	Water	I-3765-85	
310-291109-11	MW-305_24_09	Total/NA	Water	I-3765-85	
310-291109-13	MW-307A_24_09	Total/NA	Water	I-3765-85	
310-291109-14	FD-3_24_09	Total/NA	Water	I-3765-85	
MB 310-434107/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-434107/2	Lab Control Sample	Total/NA	Water	I-3765-85	

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## General Chemistry (Continued)

### Analysis Batch: 434107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291107-D-1 DU	Duplicate	Total/NA	Water	I-3765-85	
310-291120-B-1 DU	Duplicate	Total/NA	Water	I-3765-85	

### Prep Batch: 787795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-16	FB-2_24_09	Total/NA	Water	9030B	
MB 500-787795/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-787795/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-291109-16 MS	FB-2_24_09	Total/NA	Water	9030B	
310-291109-16 MSD	FB-2_24_09	Total/NA	Water	9030B	

### Analysis Batch: 787796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-291109-16	FB-2_24_09	Total/NA	Water	9034	787795
MB 500-787795/1-A	Method Blank	Total/NA	Water	9034	787795
LCS 500-787795/2-A	Lab Control Sample	Total/NA	Water	9034	787795
310-291109-16 MS	FB-2_24_09	Total/NA	Water	9034	787795
310-291109-16 MSD	FB-2_24_09	Total/NA	Water	9034	787795





# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: GU-1\_24\_09**

**Lab Sample ID: 310-291109-1**

Date Collected: 09/19/24 12:15

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434085	WSE8	EET CF	09/24/24 19:41
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:23
Total/NA	Analysis	I-3765-85		1	433958	HE7K	EET CF	09/23/24 11:26

**Client Sample ID: GU-P\_24\_09**

**Lab Sample ID: 310-291109-2**

Date Collected: 09/19/24 13:10

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434085	WSE8	EET CF	09/24/24 18:12
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:31
Total/NA	Analysis	I-3765-85		1	433958	HE7K	EET CF	09/23/24 11:26

**Client Sample ID: GU-O\_24\_09**

**Lab Sample ID: 310-291109-3**

Date Collected: 09/19/24 12:55

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434085	WSE8	EET CF	09/24/24 18:34
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:34
Total/NA	Analysis	I-3765-85		1	433958	HE7K	EET CF	09/23/24 11:26

**Client Sample ID: GU-L\_24\_09**

**Lab Sample ID: 310-291109-4**

Date Collected: 09/19/24 12:35

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434085	WSE8	EET CF	09/24/24 18:56
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:36
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: MW-22\_24\_09**

**Lab Sample ID: 310-291109-5**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434085	WSE8	EET CF	09/24/24 19:19
Total/NA	Prep	3511			433983	BW20	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434796	BW20	EET CF	10/01/24 13:34
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:38

Eurofins Cedar Falls

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-22\_24\_09**

**Lab Sample ID: 310-291109-5**

Date Collected: 09/19/24 09:55

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	433958	HE7K	EET CF	09/23/24 11:26

**Client Sample ID: MW-24\_24\_09**

**Lab Sample ID: 310-291109-6**

Date Collected: 09/19/24 13:30

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 17:06
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:40
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: MW-26A\_24\_09**

**Lab Sample ID: 310-291109-7**

Date Collected: 09/19/24 12:00

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 17:28
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:51
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: MW-29\_24\_09**

**Lab Sample ID: 310-291109-8**

Date Collected: 09/19/24 11:50

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 17:51
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:53
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

**Client Sample ID: MW-30\_24\_09**

**Lab Sample ID: 310-291109-9**

Date Collected: 09/19/24 14:25

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 18:13
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:55
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-302R\_24\_09**

**Lab Sample ID: 310-291109-10**

Date Collected: 09/19/24 14:15

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 18:35
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 14:58
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

**Client Sample ID: MW-305\_24\_09**

**Lab Sample ID: 310-291109-11**

Date Collected: 09/19/24 11:00

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 18:58
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:00
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

**Client Sample ID: MW-306\_24\_09**

**Lab Sample ID: 310-291109-12**

Date Collected: 09/19/24 13:30

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433956	WSE8	EET CF	09/24/24 11:55
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:04
Total/NA	Analysis	I-3765-85		1	433958	HE7K	EET CF	09/23/24 11:26

**Client Sample ID: MW-307A\_24\_09**

**Lab Sample ID: 310-291109-13**

Date Collected: 09/19/24 11:10

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433956	WSE8	EET CF	09/24/24 12:17
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:07
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

**Client Sample ID: FD-3\_24\_09**

**Lab Sample ID: 310-291109-14**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 19:21
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:09
Total/NA	Analysis	I-3765-85		1	434107	HE7K	EET CF	09/24/24 11:08

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: FD-4\_24\_09**

**Lab Sample ID: 310-291109-15**

Date Collected: 09/19/24 10:15

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 19:43
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:11
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: FB-2\_24\_09**

**Lab Sample ID: 310-291109-16**

Date Collected: 09/19/24 00:00

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 14:50
Total/NA	Prep	3511			433983	BW2O	EET CF	09/23/24 13:13
Total/NA	Analysis	8081B		1	434796	BW2O	EET CF	10/01/24 13:57
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:22
Total/NA	Prep	9030B			787795	CLB	EET CHI	09/25/24 18:10 - 09/25/24 18:15 <sup>1</sup>
Total/NA	Analysis	9034		1	787796	CLB	EET CHI	09/25/24 22:27 - 09/25/24 22:40 <sup>1</sup>
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: TB-2\_24\_09**

**Lab Sample ID: 310-291109-17**

Date Collected: 09/19/24 09:15

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434224	WSE8	EET CF	09/25/24 15:12

**Client Sample ID: MW-502\_24\_09**

**Lab Sample ID: 310-291109-18**

Date Collected: 09/19/24 10:25

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434241	WSE8	EET CF	09/26/24 00:27
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:24
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

**Client Sample ID: MW-213A\_24\_09**

**Lab Sample ID: 310-291109-19**

Date Collected: 09/19/24 11:25

Matrix: Water

Date Received: 09/21/24 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434241	WSE8	EET CF	09/26/24 00:50
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:26
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

Eurofins Cedar Falls

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

**Client Sample ID: MW-213B\_24\_09**

**Lab Sample ID: 310-291109-20**

**Date Collected: 09/19/24 09:55**

**Matrix: Water**

**Date Received: 09/21/24 16:02**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434241	WSE8	EET CF	09/26/24 01:13
Total/NA	Prep	3005A			434159	F5MW	EET CF	09/25/24 09:00
Total/NA	Analysis	6020B		1	435360	NFT2	EET CF	10/04/24 15:29
Total/NA	Analysis	I-3765-85		1	433986	HE7K	EET CF	09/23/24 13:20

\* 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

# Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

## Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Method Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA Site 2 Groundwater

Job ID: 310-291109-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
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
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
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.

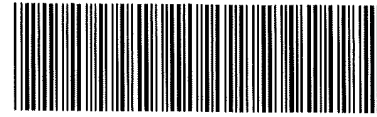
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

**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





Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>Foth</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>9/20/24</u>	TIME <u>1602</u>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<u>MW 213A, MW 213B, MW 502, FD 4, TB 4, TB 3, GVL, GVO, GUP, GVI</u>			
<b>Temperature Record</b>			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>2</u>	Correction Factor (°C):	<u>0</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>0.5</u>	Corrected Temp (°C):	<u>0.5</u>
• Sample Container Temperature			
Container(s) used	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
<b>Additional Comments</b>			
<u>missing containers MW 9AB, MW 15, MW 18, MW 19, MW 20, MW 22, MW 21A, MW 21B, MW 21C, MW 21D, MW 21E, MW 21F, MW 21G, MW 21H, MW 21I, MW 21J, MW 21K, MW 21L, MW 21M, MW 21N, MW 21O, MW 21P, MW 21Q, MW 21R, MW 21S, MW 21T, MW 21U, MW 21V, MW 21W, MW 21X, MW 21Y, MW 21Z, MW 21AA, MW 21AB, MW 21AC, MW 21AD, MW 21AE, MW 21AF, MW 21AG, MW 21AH, MW 21AI, MW 21AJ, MW 21AK, MW 21AL, MW 21AM, MW 21AN, MW 21AO, MW 21AP, MW 21AQ, MW 21AR, MW 21AS, MW 21AT, MW 21AU, MW 21AV, MW 21AW, MW 21AX, MW 21AY, MW 21AZ, MW 21BA, MW 21BB, MW 21BC, MW 21BD, MW 21BE, MW 21BF, MW 21BG, MW 21BH, MW 21BI, MW 21BJ, MW 21BK, MW 21BL, MW 21BM, MW 21BN, MW 21BO, MW 21BP, MW 21BQ, MW 21BR, MW 21BS, MW 21BT, MW 21BU, MW 21BV, MW 21BW, MW 21BX, MW 21BY, MW 21BZ, MW 21CA, MW 21CB, MW 21CC, MW 21CD, MW 21CE, MW 21CF, MW 21CG, MW 21CH, MW 21CI, MW 21CJ, MW 21CK, MW 21CL, MW 21CM, MW 21CN, MW 21CO, MW 21CP, MW 21CQ, MW 21CR, MW 21CS, MW 21CT, MW 21CU, MW 21CV, MW 21CW, MW 21CX, MW 21CY, MW 21CZ, MW 21DA, MW 21DB, MW 21DC, MW 21DD, MW 21DE, MW 21DF, MW 21DG, MW 21DH, MW 21DI, MW 21DJ, MW 21DK, MW 21DL, MW 21DM, MW 21DN, MW 21DO, MW 21DP, MW 21DQ, MW 21DR, MW 21DS, MW 21DT, MW 21DU, MW 21DV, MW 21DW, MW 21DX, MW 21DY, MW 21DZ, MW 21EA, MW 21EB, MW 21EC, MW 21ED, MW 21EE, MW 21EF, MW 21EG, MW 21EH, MW 21EI, MW 21EJ, MW 21EK, MW 21EL, MW 21EM, MW 21EN, MW 21EO, MW 21EP, MW 21EQ, MW 21ER, MW 21ES, MW 21ET, MW 21EU, MW 21EV, MW 21EW, MW 21EX, MW 21EY, MW 21EZ, MW 21FA, MW 21FB, MW 21FC, MW 21FD, MW 21FE, MW 21FF, MW 21FG, MW 21FH, MW 21FI, MW 21FJ, MW 21FK, MW 21FL, MW 21FM, MW 21FN, MW 21FO, MW 21FP, MW 21FQ, MW 21FR, MW 21FS, MW 21FT, MW 21FU, MW 21FV, MW 21FW, MW 21FX, MW 21FY, MW 21FZ, MW 21GA, MW 21GB, MW 21GC, MW 21GD, MW 21GE, MW 21GF, MW 21GG, MW 21GH, MW 21GI, MW 21GJ, MW 21GK, MW 21GL, MW 21GM, MW 21GN, MW 21GO, MW 21GP, MW 21GQ, MW 21GR, MW 21GS, MW 21GT, MW 21GU, MW 21GV, MW 21GW, MW 21GX, MW 21GY, MW 21GZ, MW 21HA, MW 21HB, MW 21HC, MW 21HD, MW 21HE, MW 21HF, MW 21HG, MW 21HH, MW 21HI, MW 21HJ, MW 21HK, MW 21HL, MW 21HM, MW 21HN, MW 21HO, MW 21HP, MW 21HQ, MW 21HR, MW 21HS, MW 21HT, MW 21HU, MW 21HV, MW 21HW, MW 21HX, MW 21HY, MW 21HZ, MW 21IA, MW 21IB, MW 21IC, MW 21ID, MW 21IE, MW 21IF, MW 21IG, MW 21IH, MW 21II, MW 21IJ, MW 21IK, MW 21IL, MW 21IM, MW 21IN, MW 21IO, MW 21IP, MW 21IQ, MW 21IR, MW 21IS, MW 21IT, MW 21IU, MW 21IV, MW 21IW, MW 21IX, MW 21IY, MW 21IZ, MW 21JA, MW 21JB, MW 21JC, MW 21JD, MW 21JE, MW 21JF, MW 21JG, MW 21JH, MW 21JI, MW 21JJ, MW 21JK, MW 21JL, MW 21JM, MW 21JN, MW 21JO, MW 21JP, MW 21JQ, MW 21JR, MW 21JS, MW 21JT, MW 21JU, MW 21JV, MW 21JW, MW 21JX, MW 21JY, MW 21JZ, MW 21KA, MW 21KB, MW 21KC, MW 21KD, MW 21KE, MW 21KF, MW 21KG, MW 21KH, MW 21KI, MW 21KJ, MW 21KK, MW 21KL, MW 21KM, MW 21KN, MW 21KO, MW 21KP, MW 21KQ, MW 21KR, MW 21KS, MW 21KT, MW 21KU, MW 21KV, MW 21KW, MW 21KX, MW 21KY, MW 21KZ, MW 21LA, MW 21LB, MW 21LC, MW 21LD, MW 21LE, MW 21LF, MW 21LG, MW 21LH, MW 21LI, MW 21LJ, MW 21LK, MW 21LL, MW 21LM, MW 21LN, MW 21LO, MW 21LP, MW 21LQ, MW 21LR, MW 21LS, MW 21LT, MW 21LU, MW 21LV, MW 21LW, MW 21LX, MW 21LY, MW 21LZ, MW 21MA, MW 21MB, MW 21MC, MW 21MD, MW 21ME, MW 21MF, MW 21MG, MW 21MH, MW 21MI, MW 21MJ, MW 21MK, MW 21ML, MW 21MN, MW 21MO, MW 21MP, MW 21MQ, MW 21MR, MW 21MS, MW 21MT, MW 21MU, MW 21MV, MW 21MW, MW 21MX, MW 21MY, MW 21MZ, MW 21NA, MW 21NB, MW 21NC, MW 21ND, MW 21NE, MW 21NF, MW 21NG, MW 21NH, MW 21NI, MW 21NJ, MW 21NK, MW 21NL, MW 21NM, MW 21NN, MW 21NO, MW 21NP, MW 21NQ, MW 21NR, MW 21NS, MW 21NT, MW 21NU, MW 21NV, MW 21NW, MW 21NX, MW 21NY, MW 21NZ, MW 21OA, MW 21OB, MW 21OC, MW 21OD, MW 21OE, MW 21OF, MW 21OG, MW 21OH, MW 21OI, MW 21OJ, MW 21OK, MW 21OL, MW 21OM, MW 21ON, MW 21OO, MW 21OP, MW 21OQ, MW 21OR, MW 21OS, MW 21OT, MW 21OU, MW 21OV, MW 21OW, MW 21OX, MW 21OY, MW 21OZ, MW 21PA, MW 21PB, MW 21PC, MW 21PD, MW 21PE, MW 21PF, MW 21PG, MW 21PH, MW 21PI, MW 21PJ, MW 21PK, MW 21PL, MW 21PM, MW 21PN, MW 21PO, MW 21PP, MW 21PQ, MW 21PR, MW 21PS, MW 21PT, MW 21PU, MW 21PV, MW 21PW, MW 21PX, MW 21PY, MW 21PZ, MW 21QA, MW 21QB, MW 21QC, MW 21QD, MW 21QE, MW 21QF, MW 21QG, MW 21QH, MW 21QI, MW 21QJ, MW 21QK, MW 21QL, MW 21QM, MW 21QN, MW 21QO, MW 21QP, MW 21QQ, MW 21QR, MW 21QS, MW 21QT, MW 21QU, MW 21QV, MW 21QW, MW 21QX, MW 21QY, MW 21QZ, MW 21RA, MW 21RB, MW 21RC, MW 21RD, MW 21RE, MW 21RF, MW 21RG, MW 21RH, MW 21RI, MW 21RJ, MW 21RK, MW 21RL, MW 21RM, MW 21RN, MW 21RO, MW 21RP, MW 21RQ, MW 21RR, MW 21RS, MW 21RT, MW 21RU, MW 21RV, MW 21RW, MW 21RX, MW 21RY, MW 21RZ, MW 21SA, MW 21SB, MW 21SC, MW 21SD, MW 21SE, MW 21SF, MW 21SG, MW 21SH, MW 21SI, MW 21SJ, MW 21SK, MW 21SL, MW 21SM, MW 21SN, MW 21SO, MW 21SP, MW 21SQ, MW 21SR, MW 21SS, MW 21ST, MW 21SU, MW 21SV, MW 21SW, MW 21SX, MW 21SY, MW 21SZ, MW 21TA, MW 21TB, MW 21TC, MW 21TD, MW 21TE, MW 21TF, MW 21TG, MW 21TH, MW 21TI, MW 21TJ, MW 21TK, MW 21TL, MW 21TM, MW 21TN, MW 21TO, MW 21TP, MW 21TQ, MW 21TR, MW 21TS, MW 21TT, MW 21TU, MW 21TV, MW 21TW, MW 21TX, MW 21TY, MW 21TZ, MW 21UA, MW 21UB, MW 21UC, MW 21UD, MW 21UE, MW 21UF, MW 21UG, MW 21UH, MW 21UI, MW 21UJ, MW 21UK, MW 21UL, MW 21UM, MW 21UN, MW 21UO, MW 21UP, MW 21UQ, MW 21UR, MW 21US, MW 21UT, MW 21UU, MW 21UV, MW 21UW, MW 21UX, MW 21UY, MW 21UZ, MW 21VA, MW 21VB, MW 21VC, MW 21VD, MW 21VE, MW 21VF, MW 21VG, MW 21VH, MW 21VI, MW 21VJ, MW 21VK, MW 21VL, MW 21VM, MW 21VN, MW 21VO, MW 21VP, MW 21VQ, MW 21VR, MW 21VS, MW 21VT, MW 21VU, MW 21VV, MW 21VW, MW 21VX, MW 21VY, MW 21VZ, MW 21WA, MW 21WB, MW 21WC, MW 21WD, MW 21WE, MW 21WF, MW 21WG, MW 21WH, MW 21WI, MW 21WJ, MW 21WK, MW 21WL, MW 21WM, MW 21WN, MW 21WO, MW 21WP, MW 21WQ, MW 21WR, MW 21WS, MW 21WT, MW 21WU, MW 21WV, MW 21WW, MW 21WX, MW 21WY, MW 21WZ, MW 21XA, MW 21XB, MW 21XC, MW 21XD, MW 21XE, MW 21XF, MW 21XG, MW 21XH, MW 21XI, MW 21XJ, MW 21XK, MW 21XL, MW 21XM, MW 21XN, MW 21XO, MW 21XP, MW 21XQ, MW 21XR, MW 21XS, MW 21XT, MW 21XU, MW 21XV, MW 21XW, MW 21XX, MW 21XY, MW 21XZ, MW 21YA, MW 21YB, MW 21YC, MW 21YD, MW 21YE, MW 21YF, MW 21YG, MW 21YH, MW 21YI, MW 21YJ, MW 21YK, MW 21YL, MW 21YM, MW 21YN, MW 21YO, MW 21YP, MW 21YQ, MW 21YR, MW 21YS, MW 21YT, MW 21YU, MW 21YV, MW 21YW, MW 21YX, MW 21YY, MW 21YZ, MW 21ZA, MW 21ZB, MW 21ZC, MW 21ZD, MW 21ZE, MW 21ZF, MW 21ZG, MW 21ZH, MW 21ZI, MW 21ZJ, MW 21ZK, MW 21ZL, MW 21ZM, MW 21ZN, MW 21ZO, MW 21ZP, MW 21ZQ, MW 21ZR, MW 21ZS, MW 21ZT, MW 21ZU, MW 21ZV, MW 21ZW, MW 21ZX, MW 21ZY, MW 21ZZ</u>			





Environment Testing  
America

Place COC scanning label  
here

**Cooler/Sample Receipt and Temperature Log Form**

<b>Client Information</b>			
Client <u>Foth</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>9/20/21</u>	TIME <u>1602</u>	Received By: <u>AB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>2</u> of _____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes. Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• <b>Sample Container Temperature</b>			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
<b>Additional Comments</b>			
<u>Extra sample rec'd 302R not on COC - logged after MW-30</u>			



Environment Testing  
America

Place COC scanning label  
here

### Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>Foth</u>			
City/State:	CITY:	STATE:	Project:
<b>Receipt Information</b>			
Date/Time Received	DATE	TIME	Received By:
	<u>9/20/24</u>	<u>1602</u>	<u>XS</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>3</u> of _____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>2</u>	Correction Factor (°C):	<u>0</u>
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>0.2</u>	Corrected Temp (°C):	<u>0.2</u>
• <b>Sample Container Temperature</b>			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
<b>Additional Comments</b>			





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 4

COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC; Report To: Gina Wilming/Hannah Dubbs (Foth); Requested Due Date: ; Quote Reference: ; Address: 411 6th Avenue SE, Suite 400; Copy To: \*TAT: Standard; Project Manager: Gina Wilming; Cedar Rapids, IA 52401; Invoice To: Karmin McShane (CRLCSWA); Project #: 24C034.00; Phone: (319) 365-9565; P O; Profile #: ; Email Addresses: gina.wilming@foth.com; Project Name: CRLCSWA Site 2 Groundwater; Regulatory Agency: Iowa DNR; Sampling Team Members: ; hannah.dubbs@foth.com; Task #: 24C034\_24\_09; State Location: Iowa

Main data table with columns: ITEM NUMBER, SAMPLE ID, Sample Location, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Preservatives (Total # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol), Requested Analysis (IA Appendix I List, TSS, Benzene, Cobalt, Sulfide, 2,4-D, 2,4,5-TP (Silvex), beta-BHC, gamma-BHC (Lindane), Heptachlor, Appendix I VOCs), Filtered (Y/N), REMARKS / Lab ID

SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME

SAMPLE CONDITION: Temp in C, Received on Ice Y/N, Sealed Cooler Y/N, Sample Intact Y/N

SAMPLE NOTES: (Empty field for notes)

Valid Matrix Codes: Matrix Code, Soil SO, Sediment SE, Surface Water WS, Wastewater WW, Groundwater WG, Ambient Air AA, Other X

SAMPLER NAME AND SIGNATURE, PRINT Name of SAMPLER, SIGNATURE of SAMPLER, DATE Signed

07/2024





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 of 4

COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC
Report To: Gina Wilming/Hannah Dubbs (Foth)
Requested Due Date:
Quote Reference:
Address: 411 6th Avenue SE, Suite 400
Copy To:
\*TAT Standard
Project Manager: Gina Wilming
Cedar Rapids, IA 52401
Invoice To: Karmin McShane (CRLCSWA)
Project #: 24C034.00
Phone: (319) 365-9565
P O
Profile #:
Email Addresses: gina.wilming@foth.com
Project Name: CRLCSWA Site 2 Groundwater
Regulatory Agency: Iowa DNR
hannah.dubbs@foth.com
Task #: 24C034\_24\_09
State Location: Iowa

Table with columns: ITEM NUMBER, SAMPLE ID, Sample Location, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Preservatives (Total # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol), IA Appendix I List (TSS, Benzene, Cobalt, Sulfide, 2,4-D, 2,4,5-TP (Silvex), beta-BHC, gamma-BHC (Lindane), Heptachlor, Appendix I VOCs), Requested Analysis (18 columns of N), Filtered (Y/N), REMARKS / Lab ID.

SAMPLE CONDITION: Temp in C, Received on Ice (Y/N), Sealed Cooler (Y/N), Sample Intact (Y/N)
SAMPLE NOTES: Valid Matrix Codes (Matrix: Soil, Sediment, Surface Water, Wastewater, Groundwater, Ambient Air, Other)
SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME
SAMPLER NAME AND SIGNATURE, PRINT Name of SAMPLER, SIGNATURE of SAMPLER, DATE Signed

07/1/2024





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P.O:		Profile #:
Email Addresses: <a href="mailto:gina.wilming@foth.com">gina.wilming@foth.com</a>	Project Name: CRLCSWA Site 2 Groundwater	Regulatory Agency: Iowa DNR	Sampling Team Members:
<a href="mailto:hannah.dubbs@foth.com">hannah.dubbs@foth.com</a>	Task #: 24C034_24_09	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives													Requested Analysis																	REMARKS / Lab ID					
							Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	IA Appendix I List	TSS	Benzene	Cobalt	Sulfide	2,4-D	2,4,5-TP (Silver)	beta-BHC	gamma-BHC (Lindane)	Heptachlor	Appendix I VOCs	N	N	N	N	N	N	N	N	N	N	N		N	N	N		
							Filtered (Y/N)																																			
25	FD-1_24_09		WG	G																	X	X																				
26	FD-2_24_09		WG	G																	X	X																				
27	FD-3_24_09		WG	G																	X	X																				
28	FD-4_24_09		WG	G																	X	X																				
29	FB-1_24_09	Field Blank	WG	G																	X	X		X	X	X	X	X	X	X												
30	FB-2_24_09	Field Blank	WG	G																	X	X		X	X	X	X	X	X													
31	TB-1_24_09	Trip Blank	WG	G																																						
32	TB-2_24_09	Trip Blank	WG	G																																						
33	TB-3_24_09	Trip Blank	WG	G																																						
34	TB-4_24_09	Trip Blank	WG	G																																						
35	MW-502_24_09	MW-502	WG	G																																						
36	MW-204A_24_09	MW-204A	WG	G																	X	X																				

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
-----------------	-------------	---------------	----------------	--------	-------------------------------	------	------	---------------------------	------	------

**SAMPLE CONDITION:**

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

**SAMPLE NOTES:**

Additional Comments:

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER

DATE Signed.

07/11/2024





# Chain of Custody Record

652708



Environment Testing  
America

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other

TAL-8210

Client Contact		Project Manager: <u>GU, Imaj/A Dubas</u>		Site Contact: <u>G. Prastegard</u>		Date: <u>9/20/24</u>		COC No <u>1</u>	
Company Name <u>Foth I + E</u>		Tel/Email: <u>gwinninge@foth.com</u>		Lab Contact: <u>C. Calhoun</u>		Carrier: <u>Eurofins</u>		<u>1</u> of <u>2</u> COCs	
Address <u>411 6th Ave SE, Ste 400</u>		Analysis Turnaround Time							
City/State/Zip <u>CEONAR RAPIDS, IA 52401</u>									
Phone <u>319-365-9565</u>									
Fax: _____									
Project Name <u>CRCSWA Site 2 Groundwater</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS/MSD (Y/N)				Sampler <u>R Gavin/T Merritt</u>	
Site <u>CRCSWA 2</u>		TAT if different from Below _____							
P O # _____		<input type="checkbox"/> 2 weeks							
		<input type="checkbox"/> 1 week							
		<input type="checkbox"/> 2 days						For Lab Use Only:	
		<input type="checkbox"/> 1 day						Walk-in Client. <input type="checkbox"/>	
								Lab Sampling <input type="checkbox"/>	
								Job / SDG No _____	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
GU-1		9/19/24	12:15			5	SEE		
GU-P		9/19	13:10			5	ATTACHED		
GU-O		9/19	12:55			5	PARAMETER SHEETS		
GU-L		9/19	12:35			5			
mw-22		9/18/24	9:55			9			
mw-24		9/19/24	13:30			5			
mw-26A		9/19/24	12:00			5			
mw-29		9/19/24	11:50			5			
mw-30		9/19/24	14:25			5			
mw-305		9/19/24	11:00			5			
mw-306		9/19/24	13:30			5			
mw-307A		9/19/24	11:10			5			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <u>DO NOT ANALYZE TB-3 + TB-4</u>									
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____			Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____		
Relinquished by: <u>[Signature]</u>		Company: <u>O.A. TECH SVCS</u>		Date/Time: <u>9/20/24 10:00</u>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____	

Page 81 of 87  
10/7/2024



# Chain of Custody Record

652709



Environment Testing  
America

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other:

TAL-8210

Client Contact		Project Manager: <u>G. Williams/H. Johns</u>		Site Contact: <u>G. Prestigiano</u>		Date: <u>9/20/24</u>		COC No <u>-</u>																																																																																																																																						
Company Name <u>Foth II + E</u>		Tel/Email: <u>gwilliams@foth.com</u>		Lab Contact: <u>C. Calhoun</u>		Carrier: <u>EUROFINS</u>		<u>2</u> of <u>2</u> COCs																																																																																																																																						
Address <u>411 6th Ave SE STE 400</u>		Analysis Turnaround Time																																																																																																																																												
City/State/Zip <u>Cedar Rapids IA 52401</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS/MSD (Y/N)						Sampler <u>R. Gagnier/T. Merritt</u>																																																																																																																																				
Phone <u>319-365-4565</u>		TAT if different from Below _____								For Lab Use Only:																																																																																																																																				
Fax: _____		<input type="checkbox"/> 2 weeks								Walk-in Client: <input type="checkbox"/>																																																																																																																																				
Project Name: <u>CRLOSWA SITE 2 GROUNDWATER</u>		<input type="checkbox"/> 1 week								Lab Sampling <input type="checkbox"/>																																																																																																																																				
Site: <u>CRLOSWA 2</u>		<input type="checkbox"/> 2 days		Job / SDG No _____																																																																																																																																										
P O # _____		<input type="checkbox"/> 1 day		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Sample Identification</th> <th style="width: 10%;">Sample Date</th> <th style="width: 10%;">Sample Time</th> <th style="width: 10%;">Sample Type (C=Comp, G=Grab)</th> <th style="width: 10%;">Matrix</th> <th style="width: 10%;"># of Cont.</th> <th style="width: 15%;">Sample Specific Notes</th> </tr> </thead> <tbody> <tr> <td>FD-3</td> <td>9/18/24</td> <td>-</td> <td></td> <td></td> <td>5</td> <td>SEE</td> </tr> <tr> <td>FD-4</td> <td>9/19/24</td> <td>-</td> <td></td> <td></td> <td>5</td> <td>ATTACHED</td> </tr> <tr> <td>FB-2</td> <td>9/18/24</td> <td>10:15</td> <td></td> <td></td> <td>10</td> <td>PARAMETER SHEETS</td> </tr> <tr> <td>TB-2</td> <td>-</td> <td>-</td> <td></td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>mw-50Z</td> <td>9/19/24</td> <td>9:15</td> <td></td> <td></td> <td>5</td> <td></td> </tr> <tr> <td>mw-213A</td> <td>9/19/24</td> <td>10:25</td> <td></td> <td></td> <td>5</td> <td></td> </tr> <tr> <td>mw-213B</td> <td>9/19/24</td> <td>11:10</td> <td></td> <td></td> <td>5</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes	FD-3	9/18/24	-			5	SEE	FD-4	9/19/24	-			5	ATTACHED	FB-2	9/18/24	10:15			10	PARAMETER SHEETS	TB-2	-	-			2		mw-50Z	9/19/24	9:15			5		mw-213A	9/19/24	10:25			5		mw-213B	9/19/24	11:10			5																																																																														
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Special Instructions/QC Requirements & Comments: <u>See page 1</u>																																																																																																																																														
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____			Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____																																																																																																																																							
Relinquished by: <u>[Signature]</u>		Company: <u>O.A. TECH SUGS</u>		Date/Time: <u>9/20/24 10:00</u>		Received by: _____		Company: _____																																																																																																																																						
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____																																																																																																																																						
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____																																																																																																																																						

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10/27/2024







**Cooler/Sample Receipt and Temperature Log Form**

<b>Client Information</b>			
Client: <u>Foth</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>9/20/24</u>	TIME <u>1602</u>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<u>MW 213A, MW 213B, MW 502, FD 4, TB 4, TB 3, GVL, GVO, GVP, GVI</u>			
<b>Temperature Record</b>			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>2</u>	Correction Factor (°C):	<u>0</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>0.5</u>	Corrected Temp (°C):	<u>0.5</u>
• Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
<b>Additional Comments</b>			
<u>missing containers MW 9AB, MW 15, MW 18, MW 19, MW 20, MW 22, MW 201A, MW 201B, MW 300, MW 301, MW 303, MW 304, MW 501, FD 1, FD 2, FB 1, FB 1, MW 204A, MW 204B, MW 214, MW 215, MW 218</u>			





Environment Testing  
America

Place COC scanning label  
here

**Cooler/Sample Receipt and Temperature Log Form**

<b>Client Information</b>			
Client: <u>Foth</u>			
City/State:	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE	TIME	Received By:
	<u>9/20/24</u>	<u>1602</u>	<u>AB</u>
Delivery Type			
<input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    If yes: Cooler ID _____			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    If yes: Cooler # <u>2</u> of _____			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If yes. Which VOA samples are in cooler? ↓			
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.6</u>		Corrected Temp (°C): <u>0.6</u>	
• Sample Container Temperature			
Container(s) used	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
<b>Additional Comments</b>			
<u>Extra sample rec'd 302R not on COC - logged after MW-30</u>			





Environment Testing  
America

Place COC scanning label  
here

### Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client <u>Foth</u>			
City/State.	CITY	STATE	Project:
<b>Receipt Information</b>			
Date/Time Received:	DATE <u>9/20/24</u>	TIME <u>1602</u>	Received By <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>3</u> of _____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>2</u>		Correction Factor (°C): <u>0</u>	
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.2</u>		Corrected Temp (°C): <u>0.2</u>	
• <b>Sample Container Temperature</b>			
Container(s) used	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login.			
<b>Additional Comments</b>			

# Chain of Custody Record

652708 eurofins  
Environment Testing America

TAL-8210

Regulatory Program:  DW  NPDES  RCRA  Other

Project Manager: G. Yezeghyan Date: 9/20/24 COC No: 1 of 2 COCs  
 Lab Contact: C. Calhoun Carrier: Eurofins  
 Tel/Email: g.yezeghyan@eurofins.com / G.Yezeghyan@eurofins.com  
 Analysis Turnaround Time:  CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below:  2 weeks  1 week  2 days  1 day

Company Name: roth I + E Client Contact: \_\_\_\_\_  
 Address: 411 6th Ave SE, Ste 400  
 City/State/Zip: CEDAR RAPIDS, IA 52401  
 Phone: 319-365-9565  
 Project Name: CRLESWA Site 2 Groundwater  
 Site: CRLESWA 2  
 P.O.#: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Sample Specific Notes
GU-1	9/19/24	12:15			5	SEE ATTACHED
GU-P	9/19	13:10			5	PARAMETERS SHEETS
GU-O	9/19	12:55			5	
GU-L	9/19	12:35			5	
MW-22	9/18/24	9:55			9	
MW-24	9/18/24	13:30			5	
MW-26A	9/18/24	12:00			5	
MW-29	9/18/24	11:50			5	
MW-30	9/18/24	14:25			5	
MW-30S	9/18/24	11:00			5	
MW-306	9/18/24	13:30			5	
MW-307A	9/18/24	11:10			5	

Perform MS / MSD (Y / N) \_\_\_\_\_  
 Filtered Sample (Y / N) \_\_\_\_\_  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= N/OH, 6= Other \_\_\_\_\_  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: **DO NOT ANALYZE TB-3 + TB-4**  
 Custody Seals Intact:  Yes  No  
 Relinquished by: [Signature] Date/Time: 9/20/24 10:00  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_





# Chain of Custody Record

TAL-8210

Regulatory Program:  DW  NPDES  RCRA  Other

Client Contact  
 Company Name: **Both I + E**  
 Address: **411 6th Ave SE STE 400**  
 City/State/Zip: **Corvallis, OR 97331**  
 Phone: **319-365-8565**  
 Fax: \_\_\_\_\_  
 Project Name: **CLASWA Site 2 Groundwater**  
 Site: **CLASWA 2**  
 P O #: \_\_\_\_\_

Project Manager: **G. Pasteyard**  
 Tel/Email: **gpasteyard@eurofins.com**  
 Analysis Turnaround Time: \_\_\_\_\_

Site Contact: **G. Pasteyard**  
 Lab Contact: **C. Caldwell**  
 Date: **9/20/24**  
 Carrier: **Eurofins**  
 COC No: **2** of **2** COCs  
 Sampler: **R. Brown / T. McNeil**

For Lab Use Only:  
 Walk-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SDG No: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Perform MS/MSD (Y/N)		Sample Specific Notes
						Filtered Sample (Y/N)	Performs MS/MSD (Y/N)	
FD-3	9/19/24	-	-	-	5			SEE ATTACHED PARAMETER SHEETS
FD-4	9/19/24	-	-	-	5			
FB-2	9/19/24	10:15	-	-	10			
TB-2	-	-	-	-	2			
MW-502	9/19/24	9:15	-	-	5			
MW-213A	9/19/24	10:25	-	-	5			
MW-213B	9/19/24	11:10	-	-	5			

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification: \_\_\_\_\_  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:  
**See page**

Custody Seal No: \_\_\_\_\_  
 Company: **O.A. Tech Svcs**  
 Date/Time: **9/20/24 10:00**

Relinquished by: **[Signature]**  
 Relinquished by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Received in Laboratory by: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_







CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4 COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC; Report To: Gina Wilming/Hannah Dubbs (Foth); Requested Due Date: \*TAT- Standard; Project Manager: Gina Wilming; Address: 411 6th Avenue SE, Suite 400; Copy To: Karmin McShane (CRLCSWA); Invoice To: Karmin McShane (CRLCSWA); Project Name: CRLCSWA Site 2 Groundwater; Phone: (319) 365-9565; P O; Task #: 24C034\_24\_09; Regulatory Agency: Iowa DNR; State Location: Iowa; Sampling Team Members:

Table with columns: ITEM NUMBER, SAMPLE ID, SAMPLE LOCATION, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Total # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol, IA Appendix I List, TSS, Benzene, Cobalt, Sulfide, Z4-D, 2,4,5-TP (Silvex), beta-BHC, gamma-BHC (Lindane), Heptachlor, Appendix I VOCs, REMARKS / Lab ID. Rows 13-24.

SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY, AFFILIATION, DATE, TIME, ACCEPTED BY, AFFILIATION, DATE, TIME. Includes sections for Valid Matrix Codes, SAMPLE NOTES, and SIGNATURE OF SAMPLER.

Table with columns: Temp in C, Received on Ice, Sealed Cooler, Sample intact, Y/N. Includes Additional Comments and Date Signed.





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 4 COC Number: 1-3865545471-090324-245693

Company: Foth Infrastructure & Environment, LLC
Report To: Gina Wilming/Hannah Dubbs (Foth)
Address: 411 6th Avenue SE, Suite 400
Copy To:
Invoice To: Karmin McShane (CRLCSWA)
Phone: (319) 365-9565
Email Addresses: gina.wilming@foth.com
hannah.dubbs@foth.com
Project Name: CRLCSWA Site 2 Groundwater
Task #: 24C034\_24\_09
Regulatory Agency: Iowa DNR
State Location: Iowa

Table with columns: ITEM NUMBER, SAMPLE ID, SAMPLE LOCATION, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, Total # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol, IA Appendix I List, TSS, Benzene, Cobalt, Sulfide, 2,4-D, 2,4,5-TP (Silvex), beta-BHC, gamma-BHC (Lindane), Heptachlor, Appendix I VOCs, REMARKS / Lab ID. Rows 25-36.

SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, DATE, TIME, ACCEPTED BY, AFFILIATION, DATE, TIME. Includes sections for SAMPLE CONDITION, SAMPLE NOTES, and SIGNATURE OF SAMPLER.







# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To: Standard	Project Manager: Gina Wilming
	Invoice To: Karmin McShane (CRLCSWA)	Project #: 24C034_00
Phone: (319) 365-9565	P O.	Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 2 Groundwater	Sampling Team Members:
hannah.dubbs@foth.com	Task #: 24C034_24_09	
	Regulatory Agency: Iowa DNR	
	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	SAMPLE LOCATION	MATRIX CODE	SAMPLE TYPE (G = Grab C = Composite)	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Total # Containers	Preservatives																		REMARKS / Lab ID																												
								H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	LA Appendix I List	TSS	Benzene	Cobalt	Sulfide	2,4-D	2,4,5-TP (Silvex)	beta-BHC	gamma-BHC (Lindane)	Heptachlor	Appendix I VOCs																														
25	MW-204B_24_09	MW-204B	WG	G			X																																															
26	MW-213A_24_09	MW-213A	WG	G			X																																															
27	MW-213B_24_09	MW-213B	WG	G			X																																															
28	MW-214_24_09	MW-214	WG	G			X																																															
29	MW-215_24_09	MW-215	WG	G			X																																															
30	MW-218_24_09	MW-218	WG	G			X																																															
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SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
<b>SAMPLE CONDITION:</b>				<b>SAMPLE NOTES:</b>						
Temp in C				Valid Matrix Codes Matrix Code SO SE Sediment Surface Water W/S W/W W/W Groundwater W/G Ambient Air AA Other X						
Received on Ice	Y/N									
Sealed Cooler	Y/N									
Sample intact	Y/N									
<b>Additional Comments:</b>				SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER. SIGNATURE of SAMPLER						
				DATE Signed						




**Eurofins Cedar Falls**


3019 Venture Way  
 Cedar Falls, IA 50613  
 Phone 319-277-2401 Fax: 319-277-2425

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler Calhoun, Conner M		Lab PM. Calhoun, Conner M		Carrier Tracking No(s).		COC No: 310-76641 1			
Client Contact Shipping/Receiving		Phone		E-Mail Conner Calhoun@et eurofins.com		State of Origin: Iowa		Page Page 1 of 1			
Company Eurofins Environment Testing North Centr				Accreditations Required (See note): State Program - Iowa				Job #: 310-291109-1			
Address 2417 Bond Street, City University Park State Zip: IL, 60484		Due Date Requested 10/7/2024		<b>Analysis Requested</b>						Preservation Codes:   310-291109 COC  Other:	
City University Park		TAT Requested (days)									
State Zip: IL, 60484		PO #:									
Phone: 708-534-5200(Tel) 708-534-5211(Fax)		WO #:									
Email		Project #: 31009776		Project Name: CRLCSWA Site 2 Groundwater		SOW#:		Special Instructions/Note:			
Project Name: CRLCSWA Site 2 Groundwater		SOW#:		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
Site		Preservation Code		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		9034_Calc/9030B Sulfide, Acid soluble and Insoluble (Tit)		Total Number of Containers	
FB-2_24_09 (310-291109-16)		9/19/24		Central		G		Water		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.

<b>Possible Hazard Identification</b>				<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>			
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: 		Date/Time: 9/23/24 1245		Company:		Received by: Stephanie Hemond	
Relinquished by:		Date/Time:		Company:		Date/Time: 9/24/24 1000	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. 5.8+5.7			

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## Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-291109-1

**Login Number: 291109**

**List Source: Eurofins Cedar Falls**

**List Number: 1**

**Creator: Bunker, Xavier M**

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.	N/A	
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.	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: Foth Infrastructure & Environment, LLC

Job Number: 310-291109-1

**Login Number: 291109**

**List Number: 2**

**Creator: Hernandez, Stephanie**

**List Source: Eurofins Chicago**

**List Creation: 09/24/24 01:43 PM**

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	5.7
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





## Data Validation Report

<b>Project Name:</b>	CRLCSWA Site 2 – Cedar Rapids, IA (24C034.00)		
<b>Task Name:</b>	24C034_24_09		
<b>Data Set Description:</b>	Fall 2024 Groundwater Event		
<b>Laboratory(s):</b>	Eurofins – Cedar Falls, IA and Chicago, IL		
<b>Laboratory Sample Delivery Group (SDG) ID(s):</b>	310-290890-1, 310-291109-1		
<b>Sample Collection Dates:</b>	9/16/2024 – 9/19/2024		
<b>Sample Analysis Dates:</b>	9/19/2024 – 10/8/2024		
<b>Sample Matrices:</b>	Groundwater		
<b>Sample IDs Reviewed:</b>	See Table 1		
<b>Verification and Validation Stage, 100% data:</b>	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2A <input type="checkbox"/> 2B <input type="checkbox"/> 3 <input type="checkbox"/> 4		
<b>Verified and Validated By:</b>	Hannah Possehl, Environmental Scientist	10/31/2024	

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Analytical reports include 32 investigative groundwater samples collected via low-flow sampling techniques (monitoring wells) or grab sampling techniques (underdrains) at the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site 2 from September 16 to September 19, 2024; samples are listed in Table 1. The data were collected in accordance with the *Hydrologic Monitoring System Plan* (HDR, 2021), Iowa Department of Natural Resources (IDNR) Sanitary Disposal Permit Number 57-SDP-01-72P, and 567 Iowa Administrative Code (IAC) 113.10.

### Validation Summary

Stage 2A data validation was performed on 100% of the data from these SDGs, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
<b>Chain of Custody (COC) and Sample Receipt Form</b> Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and Hydrologic Monitoring System Plan (HMSP).	<p>All appropriate relinquish and receipt signatures were present with the exception listed below. Parameters and analytical methods analyzed match the COC and current sampling program with the exception below.</p> <p>The COC associated with laboratory report 310-291109-1 is missing the accepted signature by Eurofins - Cedar Falls. The Cooler/Sample Receipt and Temperature Log Form notes the samples do not appear to have been compromised or tampered with. In addition, the case narrative reported samples arrived in good condition. Therefore, no further action is required. Eurofins will be contacted regarding custody procedures prior to future events.</p>	Not applicable

Validation Task and Description	Review Notes	Action
<b>COC and Sample Receipt Form Continued</b>	<p>Trip blanks TB-3_24_09 and TB-4_24_09 were provided by the lab but were not analyzed since only two shipment of volatile samples occurred and trip blanks TB-1_24_09 and TB-2_24_09 were utilized as the trip blanks for those shipments. The COC notes indicated not to perform analysis on TB-3_24_09 and TB-4_24_09.</p>	<p>Not applicable</p>
	<p>For MW-20_24_09, the field staff entered 4/23/2015 and 11:50 as the sample date and time in the field files. On the COC, field staff entered 9/17/2024 and 10:50 as the sample date and time, which the laboratory reported in laboratory report 310-290890-1. The sample date and time of 9/17/2024 and 10:50 was confirmed by the field staff. As the lab report contains the correct sample date and time, no further action is required.</p>	<p>Not applicable</p>
	<p>For GU-L_24_09, the field staff entered a sample date of 4/21/2015 in the field files. On the COC, field staff entered 9/19/2024, which the laboratory reported in laboratory report 310-291109-1. The sample date of 9/19/2024 was confirmed by the field staff. As the lab report contains the correct sample date and time, no further action is required.</p>	<p>Not applicable</p>
	<p>For MW-22_24_09, MW-24_24_09, MW-26_24_09, MW-29_24_09, MW-30_24_09, MW-305_24_09, MW-306_24_09, MW-307A_24_09, and FD-3_24_09, the field staff entered 9/18/2024 as the sample date in the field files. On the COC, field staff entered 9/19/24 as the sample date, which the laboratory reported in laboratory report 310-291109-1. The sample date of 9/18/2024 for the wells were confirmed by the field staff. A revised laboratory report was not requested. The sample date for these wells will be updated on the lab EDD prior to upload.</p>	<p>Sample dates for wells will be updated in the lab EDD prior to data upload.</p>
	<p>Eurofins noted on the Cooler/Sample Receipt and Temperature Log Form for laboratory report 310-291109-1 that MW-302R_24_09 was included with the shipment but was not included on the COC. Eurofins analyzed the sample according to the sampling plan and reported the results in the laboratory report. Eurofins recorded the sample date as 9/19/24. However, field staff entered 9/18/2021 as the sample date in the field files. The sample date of 9/18/2024 was confirmed by the field staff. A revised laboratory report was not requested. The sample date for MW-302R_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample date will be updated in the lab EDD prior to data upload.</p>
	<p>For FD-4_24_09, the field staff entered 0:00 as the sample time in the field files and COC; however, the laboratory reported the sample time as 10:15 in laboratory report 310-291109-1. A revised laboratory report was not requested. The sample time for FD-4_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample time will be updated in the lab EDD prior to data upload.</p>

Validation Task and Description	Review Notes	Action
<b>COC and Sample Receipt Form Continued</b>	<p>For FB-2_24_09, the field files and COC noted the sample was taken on 9/18/24 at 10:15; however, the laboratory reported the 9/19/24 and 0:00 as the sample date and time in laboratory report 310-291109-1. The sample date of 9/18/2024 and sample time of 10:15 was confirmed by the field staff. A revised laboratory report was not requested. The sample date and time for FB-2_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample date and time will be updated in the lab EDD prior to data upload.</p>
	<p>For TB-2_24_09, the field files and COC noted the sample was taken at 0:00; however, the laboratory reported the sample time as 09:15 in laboratory report 310-291109-1. A revised laboratory report was not requested. The sample date and time for TB-2_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample time will be updated in the lab EDD prior to data upload.</p>
	<p>For MW-502_24_09, the field files and COC noted the sample was taken at 9:15; however, the laboratory reported the sample time as 10:25 in laboratory report 310-291109-1. The sample time of 9:15 was confirmed by the field staff. A revised laboratory report was not requested. The sample time for MW-502_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample time will be updated in the lab EDD prior to data upload.</p>
	<p>For MW-213A_24_09, the field files and COC noted the sample was taken at 10:25; however, the laboratory reported the sample time as 11:25 in laboratory report 310-291109-1. The sample time of 10:25 was confirmed by the field staff. A revised laboratory report was not requested. The sample time for MW-213A_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample time will be updated in the lab EDD prior to data upload.</p>
	<p>For MW-213B_24_09, the field files and COC noted the sample date and time was taken on 9/19/2024 at 11:10; however, the laboratory reported the sample time as 9:55 in laboratory report 310-291109-1. The sample time of 11:10 was confirmed by the field staff. A revised laboratory report was not requested. The sample time for MW-213B_24_09 will be updated on the lab EDD prior to upload.</p>	<p>Sample time will be updated in the lab EDD prior to data upload.</p>
	<p>2,4,5-TP (Silvex) was not reported for MW-22_24_09 and FB-2_24_09 in laboratory report 310-291109-1 when it was requested on the COC. Eurofins informed Foth that the herbicide samples for MW-22_24_09 and FB-2_24_09 were shipped to Eurofins - Savannah, GA for analysis and the laboratory was impacted by Hurricane Milton. Due to temperature preservation and hold time exceedances, Foth informed Eurofins not to proceed with the analysis. For MW-22, resampling is not recommended since the missed analysis occurred due to a natural disaster impacting the laboratory, and the historical 2,4,5-TP (silvex) detections at MW-22 have been significantly below the groundwater protection standard (GWPS). 2,4,5-TP will be sampled at MW-22 as a detected Appendix II constituent in Spring 2025. Since FB-2_24_09 is a quality control sample, resampling is not applicable.</p>	<p>Resampling not recommended</p>



Validation Task and Description	Review Notes	Action
<b>Case Narrative</b> Review for items noted by the laboratory that may impact the validation process.	The quality control issues noted in the case narratives were reviewed and found acceptable. Issues either were addressed in the comments below, had no impact on investigative samples, or were corrected/qualified by the laboratory. No additional actions are required. Note: continuing calibration verification (CCV) evaluation is not part of Stage 2A validation.	Not applicable
<b>Sample Condition Upon Receipt (SCUR)</b> Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.	Samples were received by Eurofins – Cedar Falls, IA in acceptable conditions. In addition, the herbicide and sulfide sample shipments from Eurofins - Cedar Falls, IA to Eurofins - Chicago, IL were received in acceptable conditions. Note that there was an herbicide shipment for MW-22_24_09 and FB-2_24_09 from Eurofins – Cedar Falls, IA to Eurofins – Savannah, GA; however, this was not documented in laboratory report 310-291109-1 since the analyses were not performed. See COC and Sample Receipt Form Review Notes for details.	Not applicable
<b>Methods Requested</b> Confirm methods match project requirements and lab provided all methods ordered.	The methods ordered and analyzed were performed in accordance with the project requirements. Methods include United States Environmental Protection Agency (USEPA) 8260D Volatile Organic Compounds (VOCs), USEPA 8151A Herbicides, USEPA 8081B Organochlorine Pesticides, USEPA 6020B Total Metals, USEPA 9034 Sulfide, and United States Geological Survey (USGS) I-3765-85 Total Suspended Solids.	Not applicable
<b>Analytes Requested</b> Confirm analytes ordered match project requirements and lab provided all analytes ordered.	<p>The analytes requested were analyzed in accordance with the project requirements. The laboratory provided all analytes ordered, except for herbicides requested in report 310-291109-1.</p> <p>As noted in the COC and Sample Receipt Form Review Notes, 2,4,5-TP (silvex) was not reported for MW-22_24_09 and FB-2_24_09 in laboratory report 310-291109-1 when it was requested on the COC. Eurofins informed Foth that the herbicide samples for MW-22_24_09 and FB-2_24_09 were shipped to Eurofins - Savannah, GA for analysis and the laboratory was impacted by Hurricane Milton. Due to temperature preservation and hold time exceedances, Foth informed Eurofins not to proceed with the analysis. For MW-22, resampling is not recommended since the missed analysis occurred due to a natural disaster impacting the laboratory, and the historical 2,4,5-TP (silvex) detections at MW-22 have been significantly below the groundwater protection standard (GWPS). 2,4,5-TP will be sampled at MW-22 as a detected Appendix II constituent in Spring 2025. Since FB-2_24_09 is a quality control sample, resampling is not applicable.</p>	Resampling not recommended
<b>Holding Times</b> Confirm laboratory performed extractions and analyses within method-required holding times.	Eurofins performed analysis within the method-required holding times with the exception below.  <u>310-291109-1</u> Analysis for sulfide per USEPA Method 9034 is required to be extracted within 7 days of sampling and analyzed within 7 days of extraction. FB-2_24_09 was extracted slightly outside the 7-day holding time but analyzed within the 7-day holding time from extraction. In accordance with the <i>National Functional Guidelines for Organic Superfund Methods Data Review</i> (USEPA, 2020a), when	See below



Validation Task and Description	Review Notes	Action
<p><b>Holding Times Continued</b></p>	<p>sulfide samples are extracted outside the 7-day hold time and analyzed outside or within the 7-day holding time, detected sulfides are qualified J and non-detects are rejected (qualified R). Professional judgment was utilized not to qualify the non-detect sulfide result in FB-2_24_08 since the extraction holding time for pesticides was only slightly exceeded (i.e., 8 hours). In addition, since FB-2_24_09 is a field blank quality control sample, non-detect results are expected. Resampling is not recommended since FB-2_24_09 is a quality control sample.</p>	<p>No qualifiers assigned; Resampling not recommended</p>
<p><b>Blanks</b> Confirm no detections in laboratory method blanks, field blanks, and trip blanks.</p>	<p>Table 3 presents analytes detected in the method, field, and trip blanks. No detections were found in the method, field, and trip blanks for laboratory report 310-291109-1 No detections were found in the field or trip blanks for laboratory report 310-290890-1.</p> <p><u>310-290890-1</u> Copper was detected in the method blank (MB 310-433716/1-A) at a concentration of 0.002040 J milligrams per liter (mg/L). In accordance with the <i>National Functional Guidelines for Inorganic Superfund Methods Data Review</i> (USEPA, 2020b) for inductively coupled plasma - mass spectrometry (ICP-MS) metals, when the blank contamination concentration is J-flagged, associated non-detect sample results are not qualified. MW-204A_24_09 and MW-300_24_09 were associated with the method blank and had copper detections; however, MW-201B_24_09, MW-204A_24_09, and MW-300_24_09 were reanalyzed for copper in analysis batch 435613, and the method blank (MB 310-435455/1-A) associated with the reanalysis batch had no detections. Since the copper results reported for MW-204A_24_09 and MW-300_24_09 were associated with analysis batch 435613 and MB 310-435455-1, which did not have a copper detection, no qualifiers were assigned.</p> <p>Method blank MB 310-433716/1-A was reanalyzed twice and had copper detections both times, 0.002033 J and 0.001983 J mg/L. No samples in this SDG were associated with these method blanks; therefore, no qualifiers were assigned.</p>	<p>No qualifiers assigned</p> <p>No qualifiers assigned</p>
<p><b>Surrogates or Deuterated Monitoring Compounds</b> For <i>organic analyses only</i>, confirm surrogates analyzed and surrogate recovery within QC limits.</p>	<p>Table 4 is intended to present the surrogate recoveries that were outside the control limits. Surrogate recoveries were within control limits for these SDGs.</p>	<p>Not applicable</p>

Validation Task and Description	Review Notes	Action
<p><b>Matrix Spike/Matrix Spike Duplicates (MS/MSD) Continued</b> Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits. For inorganic analytes, lab replicate RPD within limits.</p>	<p>MS/MSD quality control samples are not required for this project. As a result, no MS/MSD samples were collected or submitted for analysis. Where analyzed and reported by the laboratory, MS/MSD results associated with the samples in 310-290890-1 and 310-291109-1 are reviewed under Stage 2A validation guidelines.</p> <p>Table 5 is intended to present MS/MSD recoveries and RPDs that were outside the control limits. MS/MSD recoveries were within control limits and MS/MSD RPDs were below control limits for these SDGs.</p>	Not applicable
<p><b>Laboratory Control Sample/Laboratory Control Sample Duplicates (LCS/LCSDs)</b> Confirm LCS analyzed and LCS/LCSD recovery and RPD within lab specified limits.</p>	<p>LCS/LCSD quality control samples are not required for this project. Where analyzed and reported by the laboratory, LCS/LCSD results associated with method batches in 310-290890-1 and 310-291109-1 are reviewed under Stage 2A validation guidelines.</p> <p>Table 6 presents the LCS/LCSD recoveries and RPDs that were outside the control limits.</p> <p><u>310-290890-1</u> LCS/LCSD recoveries and RPDs were within control limits for this SDG.</p> <p><u>310-291109-1</u> The 1,2-dichloropropane and bromodichloromethane LCS recoveries were slightly above the recovery limits, indicating potential high bias. No LCSDs were reported. In accordance with the <i>National Functional Guidelines for Organic Superfund Methods Data Review</i> (USEPA, 2020a) for VOCs, when the LCS recovery is greater than the specified Upper Acceptance Limit, associated non-detect sample results are not qualified.</p>	No qualifiers assigned
<p><b>Laboratory Duplicates</b> Confirm lab duplicates analyzed and RPD within lab specified limits.</p>	<p>Laboratory duplicate quality control samples are not required for this project. Where analyzed and reported by the laboratory, laboratory duplicate results associated with the samples in 310-290890-1 and 310-291109-1 are reviewed under Stage 2A validation guidelines.</p> <p>Table 7 is intended to present the lab duplicate sample RPDs that were outside the RPD limits. Lab duplicate RPDs were within control limits for these SDGs.</p>	Not applicable
<p><b>Field Duplicates</b> Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.</p>	<p>Field duplicate samples were collected at a 1 per 10 frequency in accordance with the project requirements.</p> <p>Table 8 contains the precision evaluation of the parent/field duplicate samples. The RPDs between the investigative and field duplicate samples were within the duplicate sample validation criteria.</p>	Not applicable

**Abbreviations:**

CCV = continuing calibration verification  
COC = chain of custody  
HMSP = Hydrologic Monitoring System Plan  
ICP-MS = inductively coupled plasma mass spectrometry  
LCS = laboratory control sample

**Abbreviations Continued:**

LCSD = laboratory control sample duplicate  
 mg/L = milligrams per liter  
 MS = matrix spike  
 MSD = matrix spike duplicate  
 QA = quality assurance  
 QC = quality control  
 RPD = relative percent difference  
 SCUR = sample condition upon receipt  
 SDG = sample delivery group  
 USEPA = United States Environmental Protection Agency  
 USGS = United States Geological Survey  
 VOC = volatile organic compound

**Overall Assessment of Data**

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria	X		Samples were collected, preserved, shipped/delivered, and analyzed within the method protocols except for 2,4,5-TP (silvex) at MW-22_24_09 and FB-2_24_09. As detailed in the COC and Sample Receipt Form and Analytes Requested Review Notes above, these analyses were omitted due to temperature preservation and hold time exceedances associated with Hurricane Milton. Resampling is not recommended.
2. Precision	X		Field precision was evaluated through investigative and field duplicate RPDs. The RPDs between the investigative and field duplicate samples were within the duplicate sample validation criteria.  Laboratory precision was evaluated through MS/MSD, LCS/LCSD, and laboratory duplicate RPDs. Where analyzed and reported by the laboratory, MS/MSD, LCS/LCSD, and laboratory duplicate RPDs were within control limits.
3. Accuracy	X		Accuracy was evaluated through surrogate, MS/MSD, and LCS/LCSD recovery. The percent recoveries for surrogate samples were within control limits. Where analyzed and reported by the laboratory, MS/MSD percent recoveries were within control limits. With the exception identified below, LCS/LCSD percent recoveries were within control limits.  As listed in Table 6, the 1,2-dichloropropane and bromodichloromethane LCS recoveries were slightly above the recovery limits. In accordance with the <i>National Functional Guidelines for Organic Superfund Methods Data Review</i> (USEPA, 2020a) for VOCs, when the LCS recovery is greater than the specified Upper Acceptance Limit, associated non-detect sample results are not qualified.
4. Representativeness	X		Sampling was conducted in accordance with the sample collection procedures described in the approved HMSP.
5. Comparability	X		Collection techniques, measurement procedures, methods, and reporting were equivalent to currently approved procedures and are comparable to historical data.
6. Completeness	X		Valid analytical results exceeded 90%.

Item	Acceptable		Comments
	Yes	No	
7. Suitability for Intended Use	X		No evidence of gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness were identified.

Overall, the data reported are of good quality and the results for the applicable quality assurance/quality control (QA/QC) measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. No sample results were qualified during data validation because method-specific QA/QC criteria were met. 99.9% of the data is usable for project data quality objectives. Note that two planned results (2,4,5-TP at MW-32 and FB-2) were not analyzed.

# **Attachment 1**

## **Tables**

**Table 1**  
**Sample IDs Reviewed**

<b>Project Sample ID</b>	<b>Analyzed Lab Sample ID</b>	<b>Project Sample ID Matches Lab Client Sample ID</b>	<b>Lab Sample Date/Time Match COC/Logbook</b>	<b>Parameters and Analytical Methods Match COC</b>	<b>Within Hold Times</b>	<b>Sample Type</b>
MW-9AR_24_09	310-290890-1	Yes	Yes	Yes	Yes	Normal
MW-15_24_09	310-290890-2	Yes	Yes	Yes	Yes	Normal
MW-18_24_09	310-290890-3	Yes	Yes	Yes	Yes	Normal
MW-19_24_09	310-290890-4	Yes	Yes	Yes	Yes	Normal
MW-20_24_09	310-290890-5	Yes	<b>No</b>	Yes	Yes	Normal
MW-201B_24_09	310-290890-6	Yes	Yes	Yes	Yes	Normal
MW-300_24_09	310-290890-7	Yes	Yes	Yes	Yes	Normal
MW-301_24_09	310-290890-8	Yes	Yes	Yes	Yes	Normal
MW-303_24_09	310-290890-9	Yes	Yes	Yes	Yes	Normal
MW-304R_24_09	310-290890-10	Yes	Yes	Yes	Yes	Normal
MW-501_24_09	310-290890-11	Yes	Yes	Yes	Yes	Normal
FD-1_24_09	310-290890-12	Yes	Yes	Yes	Yes	FD
FD-2_24_09	310-290890-13	Yes	Yes	Yes	Yes	FD
FB-1_24_09	310-290890-14	Yes	Yes	Yes	Yes	FB
TB-1_24_09	310-290890-15	Yes	Yes	Yes	Yes	TB
MW-204A_24_09	310-290890-16	Yes	Yes	Yes	Yes	Normal
MW-204B_24_09	310-290890-17	Yes	Yes	Yes	Yes	Normal
MW-214_24_09	310-290890-18	Yes	Yes	Yes	Yes	Normal
MW-215_24_09	310-290890-19	Yes	Yes	Yes	Yes	Normal
MW-218_24_09	310-290890-20	Yes	Yes	Yes	Yes	Normal
GU-1_24_09	310-291109-1	Yes	Yes	Yes	Yes	Normal
GU-P_24_09	310-291109-2	Yes	Yes	Yes	Yes	Normal
GU-O_24_09	310-291109-3	Yes	Yes	Yes	Yes	Normal
GU-L_24_09	310-291109-4	Yes	<b>No</b>	Yes	Yes	Normal
MW-22_24_09	310-291109-5	Yes	<b>No</b>	<b>No</b>	Yes	Normal
MW-24_24_09	310-291109-6	Yes	<b>No</b>	Yes	Yes	Normal
MW-26A_24_09	310-291109-7	Yes	<b>No</b>	Yes	Yes	Normal
MW-29_24_09	310-291109-8	Yes	<b>No</b>	Yes	Yes	Normal
MW-30_24_09	310-291109-9	Yes	<b>No</b>	Yes	Yes	Normal
MW-302R_24_09	310-291109-10	Yes	<b>No</b>	Yes	Yes	Normal
MW-305_24_09	310-291109-11	Yes	<b>No</b>	Yes	Yes	Normal
MW-306_24_09	310-291109-12	Yes	<b>No</b>	Yes	Yes	Normal
MW-307A_24_09	310-291109-13	Yes	<b>No</b>	Yes	Yes	Normal
FD-3_24_09	310-291109-14	Yes	<b>No</b>	Yes	Yes	FD
FD-4_24_09	310-291109-15	Yes	<b>No</b>	Yes	Yes	FD
FB-2_24_09	310-291109-16	Yes	<b>No</b>	<b>No</b>	<b>No</b>	FB
TB-2_24_09	310-291109-17	Yes	<b>No</b>	Yes	Yes	TB
MW-502_24_09	310-291109-18	Yes	<b>No</b>	Yes	Yes	Normal
MW-213A_24_09	310-291109-19	Yes	<b>No</b>	Yes	Yes	Normal
MW-213B_24_09	310-291109-20	Yes	<b>No</b>	Yes	Yes	Normal

Notes:

- FB = field blank
- FD = field duplicate
- TB = trip blank

**Table 2**  
**Explanation of Qualifiers**

<b>Qualifier</b>	<b>Explanation</b>
<b>U</b>	The analyte was analyzed for and was not detected above the numerical quantitation limit.
<b>J</b>	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
<b>UJ</b>	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
<b>R</b>	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
<b>N</b>	The analysis indicates presumptive evidence of the presence of the analyte.
<b>NJ</b>	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:

Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

**Table 3  
Method, Field, and Trip Blank Exceedances**

Lab Report	Blank Type	Lab Sample ID	Analysis Batch	Prep Batch	Parameter	Result	Units	Lab Qualifier	MDL	PQL	Associated Samples
310-290890-1	Method	MB 310-433716/1-A	435065	433716	Copper	0.002040	mg/L	J	0.00180	0.00500	MW-9AR_24_09, MW-15_24_09, MW-18_24_09, MW-19_24_09, MW-20_24_09, MW-201B_24_09, MW-300_24_09, MW-301_24_09, MW-303_24_09, MW-304R_24_09, MW-501_24_09, FD-1_24_09, FD-2_24_09, MW-204A_24_09, MW-204B_24_09, MW-214_24_09, MW-215_24_09, MW-218_24_09
310-290890-1	Method	MB 310-433716/1-A	435215	433716	Copper	0.002033	mg/L	J	0.00180	0.00500	None
310-290890-1	Method	MB 310-433716/1-A	435360	433716	Copper	0.001983	mg/L	J	0.00180	0.00500	None

Notes:

FB = field blank

FD = field duplicate

MDL = minimum detection limit

mg/L = milligrams per liter

PQL = practical quantitation limit



**Table 4**  
**Surrogate Recovery Exceedances**

Lab Sample ID	Parent Sample	Parameter	Surrogate % Recovery	% Recovery Limits
Surrogate recoveries were within control limits for these SDGs.				

Notes:

% = percent

**Table 5**  
**Matrix Spike - Matrix Spike Duplicate Exceedances**

Lab Sample ID	Parent Sample	Parameter	MS % Recovery	MSD % Recovery	% Recovery Limits	RPD	RPD Limit
<i>MS/MSD recoveries and RPDs were within control limits for these SDGs.</i>							

Notes:

% = percent

MS = matrix spike

MSD = matrix spike duplicate

RPD = relative percent difference

SDG = sample delivery group

**Table 6**  
**Laboratory Control Sample and Laboratory Control Sample Duplicate Exceedances**

<b>Lab Sample ID</b>	<b>Associated SDG Batch</b>	<b>Parameter</b>	<b>LCS % Recovery</b>	<b>LCSD % Recovery</b>	<b>% Recovery Limits</b>		<b>RPD</b>	<b>RPD Limit</b>
LCS 310-434241/6	434241	1,2-Dichloropropane	125	N/A	73	124	N/A	N/A
LCS 310-434241/6	434241	Bromodichloromethane	124	N/A	74	122	N/A	N/A

Notes:

% = percent

LCS = laboratory control sample

LCSD = laboratory control sample duplicate

N/A = not applicable

RPD = relative percent difference

SDG = sample delivery group

**Table 7**  
**Laboratory Duplicate Sample Exceedances**

Lab Sample ID	Client Sample ID	Parameter	RPD	RPD Limit
<i>Lab duplicate sample RPDs were within the RPD limits for these SDGs.</i>				

Notes:  
RPD = relative percent difference  
SDG = sample delivery group

**Table 8**  
**Relative Percent Difference (RPD) Analysis for Field Duplicate Samples**  
**Appendix I Constituents & TSS**

RPD = 
$$\frac{\text{absolute value (a - b)}}{(a + b)/2} \times 100\%$$

Acceptance Criteria\*: 35%

- \* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
  - For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
  - For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

**Duplicate Result Analysis:**

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
		<b>MW-15_24_09</b>	<b>FD-1_24_09</b>		
Arsenic	mg/L	J 0.00128	J 0.00126	low-level	Yes
Barium	mg/L	0.0817	0.0873	6.6%	Yes
Cadmium	mg/L	J 0.000181	J 0.000154	low-level	Yes
Cobalt	mg/L	0.00306	0.00338	9.9%	Yes
Nickel	mg/L	0.00953	0.0103	low-level	Yes
Thallium	mg/L	J 0.000583	< 0.000570	low-level	Yes
Vanadium	mg/L	J 0.00142	J 0.00169	low-level	Yes
Total Suspended Solids	mg/L	2.88	2.25	low-level	Yes
		<b>MW-304R_24_09</b>	<b>FD-2_24_09</b>		
Acetone	ug/L	J 3.29	< 3.10	low-level	Yes
Arsenic	mg/L	J 0.000626	J 0.00175	low-level	Yes
Barium	mg/L	0.0412	0.0495	18.3%	Yes
Cadmium	mg/L	J 0.000117	J 0.000122	low-level	Yes
Cobalt	mg/L	0.00680	0.00707	3.9%	Yes
Nickel	mg/L	0.00770	0.00699	low-level	Yes
Total Suspended Solids	mg/L	17.30	32.0	low-level	Yes
		<b>MW-306_24_09</b>	<b>FD-3_24_09</b>		
Benzene	ug/L	J 0.401	J 0.414	low-level	Yes
Cobalt	mg/L	0.00158	0.00160	low-level	Yes
Total Suspended Solids	mg/L	42.3	42.5	0.5%	Yes
		<b>MW-213A_24_09</b>	<b>FD-4_24_09</b>		
Arsenic	mg/L	J 0.0016	J 0.00162	low-level	Yes
Barium	mg/L	0.0896	0.0908	1.3%	Yes
Cobalt	mg/L	0.00847	0.00848	0.1%	Yes
Nickel	mg/L	0.00427	J 0.00427	low-level	Yes
Total Suspended Solids	mg/L	3.75	2.50	low-level	Yes

**Table 9**  
**Qualified Results from Data Validation**

<b>Sample ID</b>	<b>Lab Sample ID</b>	<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>Lab Qualifier</b>	<b>Units</b>	<b>Qualified Result</b>	<b>Validator Qualifier</b>	<b>Explanation</b>
<i>No qualifiers were assigned to data in these Sample Delivery Groups.</i>									

Notes:

This table only lists validator qualified data. Not all laboratory qualified data are listed; only the laboratory qualified data that was validator qualified are included.

## **Attachment 2**

### **References**



## References

HDR, 2021. *2021 Landfill Permit Renewal Application, Cedar Rapids Linn County Solid Waste Agency, Site 2, Permit No. 57-SDP-01-72P, Appendix J: Hydrologic Monitoring System Plan*. September 16.

United States Environmental Protection Agency (USEPA, 2020a). *National Functional Guidelines for Organic Superfund Methods Data Review*. EPA-540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

USEPA, 2020b. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. EPA-542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.



# **Data Validation Standard Operating Procedure**

## Standard Operating Procedure

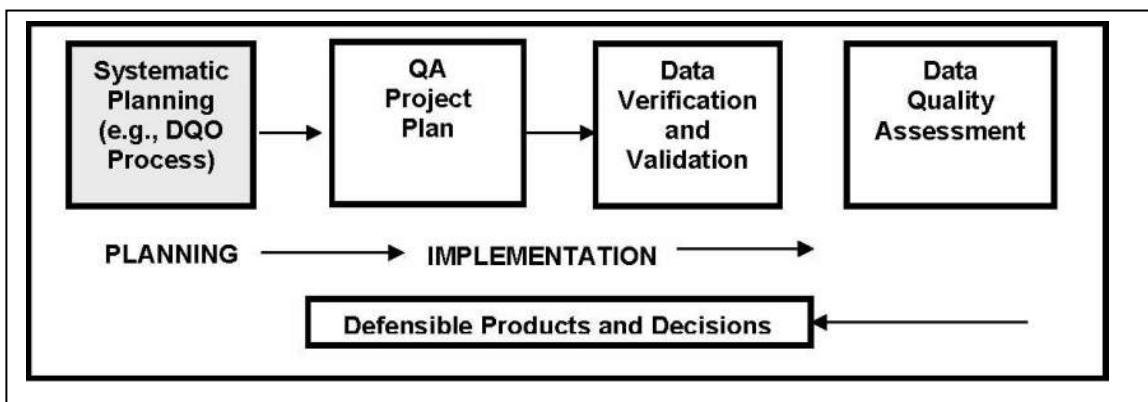
# Data Verification, Validation, and Qualification

### Introduction

The purpose of this Standard Operating Procedure (SOP) is to establish a procedure for the verification, validation, and qualification of laboratory analytical data. This SOP establishes guidelines for:

1. Reviewing project data quality objectives (DQOs) for environmental projects.
2. Selecting the appropriate stage (e.g., Stage 1, 2A, 2B, 3, 4) of analytical laboratory data verification and validation.
3. Selecting the appropriate level (e.g., Level I, II, III, IV) of analytical laboratory data deliverables for the intended stage of data verification and validation.
4. Performing data qualification.
5. Reporting results and data quality assessment.

This SOP assumes that the DQO process is complete. This SOP can be used during the development of a Quality Assurance Project Plan (QAPP) for specifying data quality procedures, or before, during, and after environmental sampling programs to aid in selection and execution of data quality procedures.



### Definitions

**Data Review** – The process of examining and/or evaluating data to varying levels of detail and specificity. Data review includes verification, validation, and usability assessment.

**Verification** – Completeness check to confirm that the specified analytical requirements have been met. For this guidance, *data verification* consists of a completeness check to confirm that all data requested from the laboratory have been received and comply with specified requirements.

**Validation** – Confirmation that the accuracy and quality data requirements are fulfilled for a specific intended use. For this guidance, *data validation* consists of analyte and sample specific process for evaluating compliance of the laboratory data received with methods, procedures, or contract requirements.



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### References

#### **Data Quality Objectives**

United States Environmental Protection Agency (USEPA), 2000. *Guidance for Data Quality Assessment, Practical Methods for Data Analysis*. EPA QA/G-9. Office of Environmental Information, Washington, D.C. July. <https://www.epa.gov/sites/production/files/2015-06/documents/g9-final.pdf>.

USEPA, 2006. *Guidance on Systemic Planning Using the Data Quality Objectives Process*. EPA QA/G-4. Office of Environmental Information, Washington, D.C. February. <https://www.epa.gov/quality/guidance-systemic-planning-using-data-quality-objectives-process-epa-qag-4>

USEPA, 2006. *Data Quality Assessment: A Reviewer's Guide*. EPA QA/G-9R. Office of Environmental Information, Washington, D.C. February. <https://www.epa.gov/sites/production/files/2015-08/documents/g9r-final.pdf>.

USEPA, 2006. *Data Quality Assessment: Statistical Methods for Practitioners*. EPA QA/G-9S. Office of Environmental Information, Washington, D.C. February. <https://www.epa.gov/sites/production/files/2015-08/documents/g9s-final.pdf>.

#### **Data Verification and Validation**

The USEPA Superfund Analytical Services Contract Laboratory Program (USEPA CLP) website includes the most current guidance for analytical laboratory data verification and validation: <https://www.epa.gov/clp>. Historical guidance for laboratory analytical data verification and validation includes the following documents:

USEPA, 1987. *A Compendium of Superfund Field Operations Methods*. EPA/540/P-87/001. Office of Solid Waste and Emergency Response, Washington, D.C. December.

USEPA, 2002. *Guidance on Environmental Data Verification and Data Validation*. EPA QA/G-8. Office of Environmental Information, Washington, D.C. November. <https://www.epa.gov/quality/guidance-environmental-data-verification-and-data-validation>.

USEPA, 2009. *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*. EPA 540-R-08-005. Office of Solid Waste and Emergency Response, Washington, D.C. January 13.

#### **Data Qualification**

The USEPA CLP website includes the most current National Functional Guidelines for analytical laboratory data review and qualification data: <https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>, and includes the following documents (as of January 2022):

USEPA, 2020. *National Functional Guidelines for Superfund Organic Methods Data Review*. EPA 540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.

USEPA, 2020. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. EPA 542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.

USEPA, 2020. *National Functional Guidelines for High Resolution Superfund Methods Data Review*. EPA 542-R-20-007. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.



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### Personnel Qualifications

None, according to USEPA guidance documents.

### Equipment and Supplies

Materials referenced in this SOP include:

- ◆ Project planning documents, such as a QAPP, Sampling and Analysis Plan (SAP), Hydrologic Monitoring System Plan (HMSP) or project Work Plan that state project DQOs, including performance and acceptance/usability criteria. This SOP assumes that DQOs for the project have already been established.
- ◆ Laboratory hard copy analytical data deliverables.
- ◆ Laboratory electronic analytical data deliverables (EDDs).

### Procedures

#### Review Objectives and Determine Stage of Review

1. Review the Project DQOs to ensure understanding of data type, location, quantity, and quality needed to make defensible decisions. The performance and acceptance criteria are established in the project DQOs.
2. Select data verification and validation stage, as established in the project planning document.
  - a. Stage 1 – A verification and validation based only on completeness and compliance of sample receipt condition checks. Checks include a comparison of reported results against DQOs (e.g., sample locations, field quality control (QC) samples, analytical methods, analyte counts, units, reporting limits, etc.), method preservation requirements (e.g., temperature, pH, headspace, etc.), assessment of non-QC laboratory qualifiers (e.g., primary sample holding time, primary sample dilution, etc.), and assessment of transcription or reporting errors.
  - b. Stage 2A – A verification and validation based on completeness and compliance checks of sample receipt conditions and **ONLY** sample-related QC results. Checks include a review of instrument performance related results such as field QC samples (e.g., TB, FB, EB, FD, etc.) and analytical method QC samples (e.g., MB, LCS/LCSD, MS/MSD, surrogates, etc.).
  - c. Stage 2B – A verification and validation based on completeness and compliance checks of sample receipt conditions and **BOTH** sample-related and instrument-related QC results. Checks include a review of instrument tuning related results such as the number, concentration, and frequency of calibration standards (e.g., initial calibration standards, ICV, ICB, CCV, CCB, etc.), as well the curves, percent recovery/difference, equations, calculations, weighting factors, and/or correlation coefficients as appropriate.
  - d. Stage 3 – A verification and validation based on completeness and compliance checks of sample receipt conditions, **BOTH** sample-related and instrument-related QC results, **AND** recalculation checks (to check for computational errors). Stage 3 Validation requires the use of the laboratory reported instrument response data to recalculate calibration windows, analyte retention time, analyte concentration, and instrument performance QC sample recovery (e.g., percent recovery [%R], relative percent difference [RPD], etc.). The results of these recalculations are compared to the results of the laboratory calculations for accuracy.
  - e. Stage 4 – A verification and validation based on completeness and compliance checks of sample receipt conditions, both sample-related and instrument-related QC results,



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recalculation checks, **AND** review of the laboratory raw instrument output to check for parameterization errors. Stage 4 Validation requires the use of the laboratory raw instrument output to determine analyte identification and analyte quantitation from analyte-specific characteristics (e.g., column retention time, fluorescence, etc.) expressed as a signal in the raw instrument output. The results of this determination are compared to the laboratory determination for accuracy.

3. Select the level of laboratory analytical data deliverables. The laboratory can provide data at different levels, with each level including increasing amounts of information and detail.
  - a. Level I – Cover sheet, case narrative, analytical results, sample receiving log, and Chain of Custody (COC). This report is suitable for meeting Stage 1 data verification and validation.
  - b. Level II – Level I plus quality control summaries, QC qualifier legend sample summary, lab certification reports, sample analyte count, QC cross-reference table, transfer log. This report is suitable for meeting Stages 1 and 2A data verification and validation.
  - c. Level III – Level II plus calibration data, tuning, and check data. This report is suitable for meeting Stages 1, 2A, and 2B data verification and validation.
  - d. Level IV – Level III plus instrument run logs, raw data. This report is suitable for meeting Stages 1, 2A, 2B, 3, and 4 data verification and validation.

## **Perform Data Verification, Validation, and Qualification**

Perform data verification, validation, and qualification following procedures described in current USEPA CLP National Functional Guidelines and outlined below. Additional guidance regarding analyte, method, and/or instrument specific qualification may be found on the USEPA CLP website.

1. Confirm that all investigative and field QC samples planned were collected and received by the laboratory by looking at the field notes, COC, and project planning documents.
2. Verify that sample names and times were documented correctly on the COC, that sample names align with project planning documents, and confirm relinquish & receipt signatures.
3. Review the laboratory report case narrative for items noted by the laboratory that may impact the validation process.
4. Confirm sample receipt at laboratory in acceptable condition and confirm preservation meets method requirements. Any samples analyzed out of preservation requirements should be reviewed for potential bias.
5. Confirm that analytes and methods match the project planning documents and that the laboratory provided all analytes and methods ordered.
6. Confirm laboratory performed extractions and analyses within method-required holding times. Any samples extracted or analyzed out of holding time should be reviewed for potential bias.
7. Confirm field, method, and trip blanks were collected at the frequency specified in the project planning documents. Confirm no detections in laboratory method blanks, field blanks, and trip blanks. If detections are identified in the blank results, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current USEPA CLP National functional guidelines unless otherwise specified in the project planning documents. A summary of the blank evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.

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8. For *organic analyses only*, confirm surrogates (or deuterated monitoring compounds) were analyzed and evaluate surrogate recovery compared to laboratory's surrogate acceptance limits or surrogate acceptance limits specified in the project planning documents. If surrogate recovery is outside the acceptance limits, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current UESPA CLP National Functional Guidelines unless otherwise specified in the project planning documents. A summary of the surrogate evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.
9. Confirm matrix spike/matrix spike duplicates (MS/MSDs) were analyzed at the frequency specified in the project planning documents. Evaluate MS and MSD recoveries and RPDs compared to the laboratory's specified recovery and RPD limits or the MS/MSD recovery and RPD limits specified in the project planning documents. If MS and MSD recoveries or the RPD are outside the acceptance limits, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current USEPA CLP National Functional Guidelines. For MS/MSD recovery, qualifiers are typically only assigned if both MS and MSD recoveries are outside the control limits (where both the MS and MSD are analyzed). A summary of the MS/MSD evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.
10. Confirm laboratory control sample/laboratory control sample duplicates (LCS/LCSDs) were analyzed at the frequency specified in the project planning documents. Evaluate LCS and LCSD recoveries and RPDs compared to the laboratory's specified recovery and RPD limits or the LCS/LCSD recovery and RPD limits specified in the project planning documents. If LCS and LCSD recoveries or the RPD are outside the acceptance limits, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current USEPA CLP National Functional Guidelines. For LCS/LCSD recovery, qualifiers are typically only assigned if both LCS and LCSD recoveries are outside the control limits (where both the LCS and LCSD are analyzed). A summary of the LCS/LCSD evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.
11. Confirm field duplicates were collected at the frequency specified in the project planning documents. If the parent and duplicate sample concentrations are greater than or equal to ( $\geq$ ) 5x the PQL, the RPD between parent and duplicate sample concentrations will be calculated using the following equation:

$$RPD = \frac{(A - B)}{A + B/2} \times 100$$

Where:

A = analytical result from one of two duplicate measurements

B = analytical result from the second measurement

Precision measurements can be affected by how close a chemical concentration is to the practical quantitation limit, which can increase the percent error (or RPD). Therefore, in cases where either the parent or the duplicate sample concentration is less than ( $<$ ) 5x the PQL, the absolute difference between the parent and duplicate sample concentrations will be calculated (i.e., low-level RPD).

Unless otherwise specified in the project planning documents, the acceptance criteria for field duplicate RPDs are as follows:



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- a. The field duplicate RPD criteria are less than or equal to ( $\leq$ ) 30 percent (%) for water samples and  $\leq$  50% for soil samples.
- b. For low-level RPD comparisons, the absolute difference between the parent and duplicate sample concentrations shall not exceed 5x the PQL.
- c. If either of these criteria are not met, both sample results should be qualified J or UJ. Detected results will be assigned a J qualifier, and non-detects will be assigned a UJ qualifier.

## Data Qualifiers

The following data qualifiers may be used during data validation and/or retained from the laboratory.

- ◆ U = The analyte was analyzed for and was not detected above the numerical quantitation limit (i.e., reporting limit).
- ◆ J = The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases, it is recognized that the estimated value is biased high (J+), suggesting the actual value is lower than estimated; or biased low (J-), suggesting the actual value is higher than estimated.
- ◆ UJ = The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
- ◆ R = The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
- ◆ N = The analysis indicates presumptive evidence of the presence of the analyte.
- ◆ NJ = The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Results qualified J (J, J+, and J-) or UJ are of acceptable data quality and may be used quantitatively per USEPA guidelines.

## Reporting

The results of the data quality procedures should be summarized into a deliverable. An example deliverable used to communicate the results of Stage 2A data validation is provided in Attachment 2. The deliverable should include an overall data quality assessment relative to the project DQOs and state if the data set is usable for the intended purposes of the project. The overall data quality assessment may include the following evaluations:

- ◆ Method Criteria: Review of the methods and analytes requested, chain of custody and sample receipt forms, sample conditions upon receipt, and holding times to ensure that samples were collected, preserved, shipped/delivered, and analyzed within the method protocols.
- ◆ Precision: Defined as the agreement between a set of replicate measurements without assumption or regard about the true value and is a measure of the reproducibility of individual measurements. Field duplicate samples will be used to assess precision.
- ◆ Accuracy: An expression of the degree to which a measured value represents the true value. Accuracy will be assessed through a review of surrogate, matrix spike, and laboratory control sample results. Accuracy will be defined as the percent recovery (%R) of an analyte in a reference standard or spiked sample. The acceptance criteria are dependent on the analytical method and

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established by individual laboratories. Acceptable accuracy will be defined as achieving %R within the recovery limits established by the analytical laboratory for the method utilized.

- ◆ Representativeness: The degree that data accurately and precisely represents the environment and conditions that the sample targeted. Representativeness will be achieved by conducting sampling in accordance with the sample collection procedures described in the project planning documents.
- ◆ Comparability: Expresses the confidence with which one data set can be evaluated in relation to another data set. Data are considered comparable if collection techniques, measurement procedures, methods, and reporting are equivalent for the samples within a sample set. Note that methods of sample collection and analyses may differ due to geologic and hydrogeologic conditions at individual sample locations and through time, meaning some data sets vary in comparability. To the extent practicable, consistent sampling techniques and analytical methods should be utilized.
- ◆ Completeness: Measures the amount of data determined to be valid relative to the amount of data collected. Completeness is also a measure of the amount of valid data generated versus the amount of data planned for collection, ensuring sufficient data are available to make project decisions. A completeness goal for most projects will be 90%.
- ◆ Suitability for Intended Use: An overall review of the event data to ensure that results are applicable for their intended use. If gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness are identified, the reviewer may indicate that entire event data may not be suitable for use, and resampling or other corrective actions may be required.



## **Attachment 1**

### **Summary of Data Validation Evaluation Criteria and Actions**

**(Based on the USEPA CLP National Functional Guidelines dated November 2020)**



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**Summary of Data Validation Evaluation Criteria and Actions**

This attachment provides the evaluation criteria and actions recommended for review of blank samples, surrogates, MS/MSDs, and LCS/LCSDs based on the USEPA CLP National Functional Guidelines dated November 2020.

**Blank Review**

Blank Result	Sample Result	Action
<b>VOCs and Non-Halogenated Organic Compounds (Method 8015B)</b>		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank Multiplier <sup>(1)</sup>	Qualify U and report at PQL
	≥PQL and ≥Blank Multiplier <sup>(1)</sup>	Qualify J+ and report at sample result or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank Multiplier <sup>(1)</sup>	Qualify U and report at sample result
	≥PQL and ≥Blank Multiplier <sup>(1)</sup>	Qualify J+ and report at sample result or no qualification
<b>SVOCs, Pesticides, Herbicides, and PCBs</b>		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL	Qualify J+ and report at sample result or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank	Qualify U and report at sample result
	≥PQL and ≥Blank	Qualify J+ and report at sample result or no qualification
<b>Metals (ICP-AES and ICP-MS Methods), Mercury, Cyanide, Anions, and Total Organic Carbon</b>		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL	Qualify J+ and report at sample result or no qualification
≤MDL but >QL	Non-Detect	UJ <sup>(2)</sup>
	Detect	J- or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <10x Blank	Qualify J+ and report at blank result or R
	≥PQL and ≥10x Blank	No qualification

MDL = minimum detection limit

PCB = polychlorinated biphenyl

PQL = practical quantitation limit

SVOC = semivolatile organic compound

VOC = volatile organic compound

<sup>(1)</sup> For VOCs, a blank multiplier of 1x will generally be utilized. For common laboratory contaminants (2-butanone, acetone, methylene chloride), a blank multiplier of 2x will be used.

<sup>(2)</sup> For cyanide, the action is no qualification.



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**Surrogates or Deuterated Monitoring Compounds**

Criteria	Action <sup>(1,2)</sup>	
	Detect	Non-Detect
<b>VOCs and Non-Halogenated Organic Compounds (Method 8015B)</b>		
%R < Expanded Lower Acceptance Limit (10%)	J-	R
Expanded Lower Acceptance Limit (10%) ≤ %R < specified Lower Acceptance Limit	J-	UJ
%R within specified Acceptance Limits	No qualification	No qualification
%R > specified Upper Acceptance Limit	J+	No qualification
<b>SVOCs</b>		
%R < Expanded Lower Acceptance Limit (10%, excluding surrogates with 10% as the lower acceptance limit, undiluted sample analysis)	J-	R
Expanded Lower Acceptance Limit (10%) ≤ %R (excluding surrogates with 10% as the lower acceptance limit, undiluted sample analysis) < specified Lower Acceptance Limit	J-	UJ
%R < specified Lower Acceptance Limit (diluted sample analysis)	Use professional judgment	Use professional judgment
%R within specified Acceptance Limits	No qualification	No qualification
%R > specified Upper Acceptance Limit	J+	No qualification
<b>Pesticides, Herbicides, and PCBs</b>		
%R < Expanded Lower Acceptance Limit (10%, undiluted sample)	J-	R
%R < Expanded Lower Acceptance Limit (10%, diluted sample)	Use professional judgment	Use professional judgment
Expanded Lower Acceptance Limit (10%) ≤ %R < specified Lower Acceptance Limit	J-	UJ
%R within specified Acceptance Limits	No qualification	No qualification
Upper Acceptance Limit < %R ≤ Expanded Upper Acceptance Limit (200%)	J+	No qualification
%R > Expanded Upper Acceptance Limit (200%)	J+	Use professional judgment

%R = percent recovery

PCB = polychlorinated biphenyl

SVOC = semivolatile organic compound

VOC = volatile organic compound

<sup>(1)</sup> For VOCs, pesticides, herbicides, and PCBs, qualifiers are assigned to all target analytes in the method for the individual sample the surrogate was analyzed with.

<sup>(2)</sup> For SVOCs, qualifiers are not assigned to all target analytes in the method for the individual sample the surrogate was analyzed with, but rather a shorter list of target analytes in the method list. The analytical laboratory or project planning document should be consulted for associated target SVOC analytes corresponding to each surrogate.



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**Matrix Spike/Matrix Spike Duplicates**

Criteria	Action <sup>(1)</sup>	
	Detect	Non-Detect
<b>VOCs, Pesticides, Herbicides, and PCBs</b>		
%R < Expanded Lower Acceptance Limit (20%)	J	R
Expanded Lower Acceptance Limit (20%) ≤ %R < specified Lower Acceptance Limit	J	UJ
%R or RPD within specified Acceptance Limits	No qualification	No qualification
%R or RPD > specified Upper Acceptance Limit	J	No qualification
<b>SVOCs</b>		
%R < Expanded Lower Acceptance Limit (10%, excluding spiked analyte with %R lower limit of 10% or less)	J	R
Expanded Lower Acceptance Limit (10%, excluding spiked analyte with %R lower limit of 10% or less) ≤ %R < specified Lower Acceptance Limit	J	UJ
%R or RPD within specified Acceptance Limits	No qualification	No qualification
%R or RPD > specified Upper Acceptance Limit	J	No qualification
<b>Metals (ICP-AES and ICP-MS Methods) and Cyanide</b>		
MS %R < 30% and MSD %R < 75%	J-	R
MS %R < 30% and MSD %R ≥ 75%	J	UJ
MS %R = 30-74% and MSD %R < 75%	J-	UJ
MS %R = 30-74% and MSD %R ≥ 75%	J	UJ
MS %R = 75-125% and MSD = 75-125%	No qualification	No qualification
MS %R > 125% and MSD %R > 125%	J+	No qualification
MS %R > 125% and MSD %R ≤ 125%	J	No qualification
MS %R < 30% and MSD not performed	J-	R
MS %R = 30-74% and MSD not performed	J-	UJ
MS %R = 75-125% and MSD not performed	No qualification	No qualification
MS %R > 125% and MSD not performed	J+	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Mercury and Hexavalent Chromium</b>		
MS %R < 30%	J-	R
MS %R = 30-74%	J-	UJ
MS %R = 75-125%	No qualification	No qualification
MS %R > 125%	J+	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Anions</b>		
MS %R < 35%	J-	R
MS %R = 35-79%	J-	UJ
MS %R = 80-120%	No qualification	No qualification
MS %R > 120%	J+	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Total Organic Carbon</b>		
MS %R < 25%	J-	R
MS %R = 25-69%	J-	UJ
MS %R = 70-130%	No qualification	No qualification
MS %R > 130%	J+	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification

%R = percent recovery



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PCB = polychlorinated biphenyl

RPD = relative percent difference

SVOC = semivolatile organic compound

VOC = volatile organic compound

- (1) Qualifiers are assigned to the individual analyte for the associated parent sample the MS/MSD was performed on. For MS/MSD recoveries, qualifiers are typically only assigned if both MS and MSD recoveries are outside the control limits (where both the MS and MSD are analyzed). Results should not be qualified based on non-project specific MS/MSD sample recoveries. Professional judgment should be utilized in cases where the concentration of the project specific MS/MSD sample is greater than 4 times the spike concentration.
- (2) Qualifying associated samples based on %R as specified above takes precedence over qualifying based on RPD (i.e., only qualify based on RPD if MS/MSD recovery is within limits).



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**Laboratory Control Sample/Laboratory Control Sample Duplicates**

Criteria	Action <sup>(1)</sup>	
	Detect	Non-Detect
<b>VOCs, SVOCs, Pesticides, Herbicides, and PCBs</b>		
%R < specified Lower Acceptance Limit	J-	R
%R or RPD within specified Acceptance Limits	No qualification	No qualification
%R > specified Upper Acceptance Limit	J+	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Metals (ICP-AES and ICP-MS Methods), Hexavalent Chromium, and Total Organic Carbon</b>		
%R < 40%	J-	R
%R = 40-69%	J-	UJ
%R = 70-130%	No qualification	No qualification
%R = 131-150%	J+	No qualification
%R > 150%	R	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Anions</b>		
%R < 50%	J-	R
%R = 50-79%	J-	UJ
%R = 80-120%	No qualification	No qualification
%R = 121-140%	J+	No qualification
%R > 140%	R	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Total Organic Carbon</b>		
%R < 45%	J-	R
%R = 45-74%	J-	UJ
%R = 75-125%	No qualification	No qualification
%R = 126-145%	J+	No qualification
%R > 145%	R	No qualification
RPD > specified Upper Acceptance Limit <sup>(2)</sup>	J	No qualification
<b>Mercury and Cyanide</b>		
No actions listed. See the current USEPA CLP National Functional Guidelines when reviewing these methods.		

%R = percent recovery

PCB = polychlorinated biphenyl

RPD = relative percent difference

SVOC = semivolatile organic compound

VOC = volatile organic compound

<sup>(1)</sup> Qualifiers are assigned to the individual analyte for the associated samples (i.e., samples in the same laboratory prep or analysis batch the LCS/LCSD was performed on). For LCS/LCSD recovery, qualifiers are typically only assigned if both LCS and LCSD recoveries are outside the control limits (where both the LCS and LCSD are analyzed).

<sup>(2)</sup> Qualifying associated samples based on %R as specified above takes precedence over qualifying based on RPD (i.e., only qualify based on RPD if LCS/LCSD recovery is within limits).

**Attachment 2**  
**Example Deliverable for Stage 2A Data Validation**



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**Data Validation Report**

**Project Name:** \_\_\_\_\_

**Task Name:** \_\_\_\_\_

**Data Set Description:** \_\_\_\_\_

**Laboratory(s):** \_\_\_\_\_

**Laboratory Sample Delivery Group (SDG) ID(s):** \_\_\_\_\_

**Sample Collection Dates:** \_\_\_\_\_

**Sample Analysis Dates:** \_\_\_\_\_

**Sample Matrices:** \_\_\_\_\_

**Sample IDs Reviewed:** See Table 1

**Verification and Validation Stage, 100% data:**  1  2A  2B  3  4

**Verified and Validated By:** \_\_\_\_\_

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Analytical reports include [insert number and type of samples collected and collection method] at [insert site] from [insert sample collection dates]; samples are listed in Table 1. The data were collected in accordance with [insert references to the project planning documents and/or regulatory codes].

**Validation Summary**

Stage 2A data validation was performed on 100% of the data from these sample delivery groups (SDGs), with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
<b>Chain of Custody (COC) and Sample Receipt Form</b> Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and project planning documents.		
<b>Case Narrative</b> Review for items noted by the laboratory that may impact the validation process.		





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Validation Task and Description	Review Notes	Action
<p><b>Sample Condition Upon Receipt (SCUR)</b>            Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.</p>		
<p><b>Methods Requested</b>            Confirm methods match project requirements and lab provided all methods ordered.</p>		
<p><b>Analytes Requested</b>            Confirm analytes ordered match project requirements and lab provided all analytes ordered.</p>		
<p><b>Holding Times</b>            Confirm laboratory performed extractions and analyses within method-required holding times.</p>		
<p><b>Blanks</b>            Confirm no detections in laboratory method blanks, field blanks, and trip blanks.</p>		
<p><b>Surrogates or Deuterated Monitoring Compounds</b>            For <i>organic analyses only</i>, confirm surrogates analyzed and surrogate recovery within QC limits.</p>		
<p><b>Matrix Spike/Matrix Spike Duplicates (MS/MSDs)</b>            Confirm MS/MSDs analyzed at frequency specified by project requirements and MS/MSD percent recovery within lab specified limits.            Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits.</p>		
<p><b>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)</b>            Confirm LCS analyzed and LCS/LCSD recovery and RPD within lab specified limits.</p>		
<p><b>Field Duplicates</b>            Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.</p>		



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**Abbreviations:**

- COC = Chain of Custody
- EDD = electronic data deliverable
- LCS = laboratory control sample
- LCS D = laboratory control sample duplicate
- MS = matrix spike
- MSD = matrix spike duplicate
- RPD = relative percent difference
- SCUR = Sample Condition Upon Receipt

**Overall Assessment of Data**

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria			
2. Precision			
3. Accuracy			
4. Representativeness			
5. Comparability			
6. Completeness			
7. Suitability for Intended Use			

Overall, the data reported are of good quality and the results for the applicable quality assurance/quality control (QA/QC) measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. These qualified data are usable, represent data of good quality and reasonable confidence, and have an acceptable degree of uncertainty (i.e., may be less precise or less accurate than unqualified data). Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. A summary of the validation qualifiers is provided below.

- ◆ No results were qualified as [insert qualifiers not utilized].
- ◆ Insert discussion on number of results that were assigned qualifiers. For example: Two results (0.1%) were qualified as estimated (assigned as J qualifiers).
- ◆ [Insert percent] of the data is usable for project data quality objectives.

**Attachments**

Attachment 1 – Tables

- Table 1 – Sample IDs Reviewed
- Table 2 – Data Qualifiers That May Be Used to Qualify Analytical Results During Validation
- Table 3 – Method, Field, and Trip Blank Exceedances
- Table 4 – Surrogate Recovery Exceedances
- Table 5 – Matrix Spike-Matrix Spike Duplicate Exceedances
- Table 6 – Laboratory Control Sample and Laboratory Control Sample Duplicate Exceedances
- Table 7 – Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
- Table 8 – Qualified Results from Data Validation

Attachment 2 – References

**Appendix B**  
**Statistical Reports**

Site 2 Statistical Analysis – Fall 2024 Evaluation



# Memorandum

411 6th Avenue SE, Suite 400  
Cedar Rapids, IA 52401  
(319) 365-9565  
foth.com

February 7, 2025

TO: Iowa Department of Natural Resources  
FR: Gina Wilming  
RE: Site 2 Statistical Analysis - Fall 2024 Evaluation

## 1 Memorandum Organization

This memo addresses the statistical analysis of the groundwater monitoring data collected in September 2024. The statistical methods and results are summarized, with the memo organization given as follows:

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Table 5	Interwell Prediction Limit Summary
Table 6	Sep. 2024 Interwell Prediction Limit Exceedances
Table 7	Double Quantification Rule – Sep. 2024 Detections
Table 8	SSL Summary
Table 9	Summary of the Fall 2024 Evaluation

**Attachments**

Attachment 1	Detailed Discussion of Statistical Methods
Attachment 2	Sanitas Report Output for Prediction Limit Calculations
Attachment 3	Sanitas Report Output for Double Quantification Rule Evaluations
Attachment 4	Sanitas Report Output for Confidence Interval Calculations
Attachment 5	References

## 2 Background

The groundwater monitoring locations and status of the Appendix I and II sampling schedules are summarized in Table 1. The Appendix I and II analytical results will be provided in Table 19 of the 2024 Annual Water Quality Report (AWQR).

**Table 1**  
**Groundwater Monitoring Locations and Sampling Schedule**  
**Jan. 2008 – Sep. 2024 Appendix I & II Data**

Monitoring Location	Monitoring Program	Current Schedule <sup>(1)</sup> (Sep. 2024)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]
<b>Groundwater Underdrain Monitoring Locations</b>						
GU-1	Detection	Appendix I	Jul-11 <sup>(2)</sup>	Oct-12 <sup>(2)</sup>	N/A	N/A
			Oct-15 <sup>(2)</sup>	Jun-17 <sup>(2)</sup>		
GU-L	Detection	Appendix I	Mar-11 <sup>(2)</sup>	Dec-11 <sup>(2)</sup>	N/A	N/A
			Oct-15 <sup>(2)</sup>	Jun-17 <sup>(2)</sup>		
GU-O	Detection	Appendix I	Apr-18 <sup>(3)</sup>	Oct-22 <sup>(3)</sup>	N/A	N/A
GU-P	Detection	Appendix I	Feb-22	Apr-23	N/A	N/A
<b>Downgradient Monitoring Locations</b>						
MW-15	Assessment	Appendix II	Jan-08	Oct-08	Jun-09	Mar-10
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-18	Corrective Action	Appendix II	Jan-08	Oct-08	Mar-09	Dec-09
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		

**Table 1 Continued**  
**Groundwater Monitoring Locations and Sampling Schedule**  
**Jan. 2008 – Sep. 2024 Appendix I & II Data**

Monitoring Location	Monitoring Program	Current Schedule <sup>(1)</sup> (Sep. 2024)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]
<b>Downgradient Monitoring Locations Continued</b>						
MW-19	Corrective Action	Appendix II	Jan-08	Oct-08	Mar-09	Dec-09
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-20	Corrective Action	Appendix II	Jan-08	Oct-08	Mar-09	Dec-09
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-22	Assessment	Appendix II	Jan-08	Oct-08	Jun-09	Mar-10
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-24	Assessment	Appendix II	Jan-08	Oct-08	Jun-10	Dec-10
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-26A	Assessment	Appendix II	Jan-08	Oct-08	Aug-10	Jun-11
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-300	Assessment	Appendix II	Jun-10	Mar-11	Jun-11	Mar-12
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-301	Corrective Action	Appendix II	Jun-10	Mar-11	Jun-11	Mar-12
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-302R <sup>(5)</sup>	Assessment	Appendix II	Jun-10	Mar-11	Dec-17	Dec-17 <sup>(6)</sup>
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-303	Assessment	Appendix II	Jun-10	Mar-11	Dec-21	Apr-23 <sup>(7)</sup>
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-304R <sup>(8)</sup>	Assessment	Appendix II	Jun-10	Mar-11	May-19	May-19 <sup>(8)</sup>
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-305	Assessment	Appendix II	Jun-13	Jun-14	Dec-17	Dec-17 <sup>(6)</sup>
			Apr-15 <sup>(4)</sup>	Mar-17 <sup>(4)</sup>		
MW-501	Detection	Appendix I	Mar-21	Apr-22	N/A	N/A
MW-502	Future Detection <sup>(9)</sup>	Appendix I	Mar-21	Apr-22	N/A	N/A
<b>Delineation Monitoring Locations</b>						
MW-29	Delineation	Benzene, Cobalt	N/A <sup>(10)</sup>	N/A <sup>(10)</sup>	N/A	N/A
MW-30	Delineation	Benzene, Cobalt	N/A <sup>(10)</sup>	N/A <sup>(10)</sup>	N/A	N/A
MW-306	Delineation	Benzene, Cobalt	N/A <sup>(10)</sup>	N/A <sup>(10)</sup>	N/A	N/A
MW-307A	Delineation	Benzene, Cobalt	N/A <sup>(10)</sup>	N/A <sup>(10)</sup>	N/A	N/A
<b>Background Monitoring Locations</b>						
MW-9AR	Background	Appendix II	Jul-18	May-19	Nov-18 <sup>(11)</sup>	N/A
MW-201B	Background	Appendix II	Apr-12	Jun-13	Oct-16 <sup>(11)</sup>	N/A
			Apr-15	Oct-16		
<b>Potential Background Expansion <sup>(12)</sup></b>						
MW-204A	Background	Appendix I	--- <sup>(12)</sup>	--- <sup>(12)</sup>	N/A	N/A
MW-204B	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A
MW-213A	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A
MW-213B	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A
MW-214	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A
MW-215	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A
MW-218	Background	Appendix I	--- <sup>(11)</sup>	--- <sup>(11)</sup>	N/A	N/A

N/A = not applicable

- (1) Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Sep. 2024. Resampling for the full Appendix II list at the assessment, corrective action, and background monitoring wells is conducted every five years.
- (2) At GU-1 and GU-L, the results collected before Oct. 2015 were removed due to elevated reporting limits, and baseline detection monitoring was reestablished using the Oct. 2015 through Jun. 2017 results.
- (3) At GU-O, one sample was collected in Apr. 2018 then monitoring was discontinued. Baseline monitoring for the Appendix I constituents was re-initiated in Oct. 2021 with five samples collected between Oct. 2021 and Oct. 2022.
- (4) For the downgradient and background monitoring locations where monitoring was initiated before Apr. 2015, sampling methods were modified from high-volume to low-flow or no-purge sampling starting in Apr. 2015. Five rounds of baseline Appendix I monitoring were re-initiated between Apr. 2015 and Mar. 2017. The high-volume results collected before Apr. 2015 were removed before conducting statistical analyses.
- (5) MW-302 was replaced with MW-302R on 9/7/2021 in the same location. The MW-302 and MW-302R datasets were combined.
- (6) MW-302 and MW-305 triggered assessment monitoring during the Fall 2017 statistical evaluation. One round of baseline assessment monitoring for the full Appendix II list was conducted in Dec. 2017. Since none of the Appendix II constituents not in the Appendix I list were detected during the initial assessment monitoring event in Dec. 2017, the 2017 AWQR (HDR, 2018) recommended not conducting additional rounds of baseline assessment monitoring. IDNR concurred with this recommendation in the letter dated Jan. 22, 2019 (IDNR, 2019).
- (7) MW-303 triggered assessment monitoring after the Spring 2021 resampling event. One round of baseline assessment monitoring for the full Appendix II list was conducted in Dec. 21. Quarterly monitoring for only the detected Appendix II constituents (2,4-D; gamma-BHC; and heptachlor) was conducted in Apr. 2022, Jul. 2022, Oct. 2022, and Apr. 2023 to obtain a baseline dataset for the detected Appendix II parameters suitable for conducting statistical comparisons to the groundwater protection standards (HDR, 2022 and 2023).
- (8) MW-304 was replaced with MW-304R on 8/31/2020 in the same location. The MW-304 and MW-304R datasets were combined. MW-304 triggered assessment monitoring after the January 2019 verification sampling event. One round of baseline assessment monitoring for the full Appendix II list was conducted in May 2019. Since none of the Appendix II constituents not in the Appendix I list were detected during the initial assessment monitoring event in May 2019, the 2020 Spring Statistical Report (HDR, 2020) recommended not conducting additional rounds of baseline assessment monitoring.
- (9) Baseline intrawell background monitoring was initiated at MW-502 in Mar. 2021. Quarterly followed by semiannual intrawell background monitoring for the Appendix I list has been conducted between 2021 and 2024. Compliance monitoring under the detection monitoring program will be initiated at MW-502 following the future construction of Phase 5B (HDR, 2021).
- (10) MW-29, MW-30, MW-306, and MW-307A are utilized for delineation; therefore, baseline detection monitoring is not applicable. Benzene and cobalt delineation monitoring were initiated at these locations in Apr. 2015 and Apr. 2018, respectively.
- (11) One round of monitoring for the full Appendix II list was conducted at background monitoring locations MW-9AR and MW-201B in Nov. 2018 and Oct. 2016, respectively. None of the Appendix II constituents not in the Appendix I list were detected during the full Appendix II sampling events at MW-9AR and MW-201B; therefore, no additional full Appendix II sampling events were conducted (HDR, 2024b).
- (12) In May 2024, MW-204A/B, MW-213A/B, and MW-218 were monitored for the Appendix I metals, TSS, and other indicator parameters to evaluate for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024) MW-304R and MW-501. In Sep. 2024, MW-204A/B, MW-213A/B, MW-214, and MW-215 were monitored for the Appendix I list and TSS to continue evaluation for background expansion. Note that MW-214 and MW-215 were previously included in the background monitoring network and had been monitored for the Appendix I and detected Appendix II constituents between Apr. 15 and Mar. 21. These locations were not added to the background monitoring network at this time. Additional discussion is provided in the 2024 AWQR.

In September 2024, semiannual detection, assessment, corrective action, delineation, and background were conducted at the locations listed in Table 1. Assessment, corrective action monitoring, and background locations were sampled for the Appendix I and detected Appendix II constituents in September 2024. In accordance with Permit Special Provision X.4.f, resampling for the full Appendix II list at the assessment, corrective action, and background monitoring wells is conducted every five years. The next full Appendix II resampling dates will be provided in Table 2 of the 2024 AWQR. As indicated in footnote 12 of Table 1, the potential background expansion wells were monitored for the Appendix I list in September 2024 to continue evaluation for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) for MW-304R and MW-501. These locations were not added to the background monitoring network or utilized for statistical comparisons at this time. Additional discussion will be provided in the 2024 AWQR.

Under the detection and assessment monitoring programs of 567 IAC 113.10(5) and 113.10(6), Appendix I and II monitoring results are statistically compared to background levels as given in 567 IAC 113.10(6)e and to the groundwater protection standard (GWPS) as given in 567 IAC 113.10(6)g and h. A well may return 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.” Consequently, to return to detection monitoring in accordance with 567 IAC 113.10(6)e, all Appendix II constituents must be below the interwell prediction limit (for constituents that are detected in the background data set) or below the laboratory reporting limit (for constituents which are not detected in the background

data set) during two consecutive sampling events. However, three consecutive sampling events may be utilized to determine whether 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 paragraph 113.10(4)g.

If Appendix II constituents are detected at statistically significant levels (SSLs) above the GWPS, characterization [567 IAC 113.10(6)g] is initiated and the owners or operators are required to begin an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion [567 IAC 113.10(9)e(2)], compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR.

Based on the April 2015 through September 2024 results, this memo presents an evaluation of statistically significant increases (SSIs) and SSLs under the requirements of paragraphs 113.10(4)g and h of 567 IAC.

### **3 Statistical Methodology**

The statistical methods utilized for locations in detection, assessment, corrective action, and delineation monitoring were consistent with the methods outlined in the approved *Hydrologic Monitoring System Plan* (HDR, 2021). Detailed descriptions of the statistical methods are provided in Attachment 1. Sanitas® v10.0 (Sanitas Technologies) software was utilized to complete statistical comparisons.

#### **3.1 Background Data Set**

Intrawell prediction limits are utilized to evaluate SSIs over background for analytes that have been detected above the practical quantitation limit (PQL) in GU-1, GU-L, GU-O, GU-P, and MW-501. The justification for the use of intrawell methods was provided in the approved *Hydrologic Monitoring System Plan* (HDR, 2021). Specifically for MW-501, intrawell methods are applicable since monitoring was initiated before placement of waste in Phase 5A and samples were collected using low-flow sampling techniques. Intrawell background is calculated from a collection of background measurements from the detected Appendix I metals within these compliance locations and is comprised of:

- ◆ GU-1: October 2015 through April 2022 arsenic, barium, cobalt, lead, nickel, and zinc.
- ◆ GU-L: October 2015 through April 2022 arsenic, barium, cobalt, and nickel.
- ◆ GU-O: April 2018 through July 2022 arsenic, barium, and cobalt.
- ◆ GU-P: February 2022 through October 2022 arsenic, barium, cobalt, and lead.
- ◆ MW-501: March 2021 through April 2022 arsenic, barium, cadmium, cobalt, lead, and nickel.

As reported in the *2024 Spring Statistical Report* (HDR, 2024b), GU-1 and GU-L data collected before October 2015 were removed due to elevated reporting limits.



For the remaining downgradient monitoring locations, interwell predictions calculated from the combined background data set of MW-9AR and MW-201B were utilized to evaluate SSIs over background for the analytes that have been detected above the PQL .

### **3.2 Data Set Adjustments Due to Changes in Sampling Methods**

For the downgradient and background monitoring locations where monitoring was initiated before April 2015, the sampling methodology was modified from high-volume to low-flow or no-purge sampling starting in April 2015. The high-volume results collected before April 2015 were removed before conducting statistical analyses. These data set removals were maintained in the current statistical evaluation. The removed data will be listed as crossed-out concentrations in Table 19 of the 2024 AWQR.

### **3.3 Adjustments Associated with Total Suspended Solids**

No background data set adjustments are recommended for background wells MW-9AR and MW-201B based on a review of the total suspended solids (TSS) data from September 2024. While the September 2024 TSS concentrations of 36 milligrams per liter (mg/L) at MW-9AR and 17.4 mg/L at MW-201B were above the 5 mg/L limit for acceptable sample quality, the TSS concentrations did not significantly exceed the limit for acceptable sample quality and were within the range of historical TSS concentrations at these locations.

The September 2024 TSS results at the groundwater underdrains, downgradient monitoring locations, and delineation monitoring locations were not reviewed with the current (Fall 2024) statistical evaluation. Discussion regarding compliance with the turbidity requirements outlined in Permit Special Provision X.4.g will be provided in the 2024 AWQR.

### **3.4 Adjustments Associated with Reporting Limits**

During prior statistical evaluations, the Sanitas database file utilized the method detection limit (MDL) as the reporting limit. Starting with the current (Fall 2024) statistical evaluation, the reporting limit was updated in the Sanitas database file to the PQL. This change is consistent with the protocols for handling non-detect data outlined in the approved *Hydrologic Monitoring System Plan* (HDR, 2021) and in the United States Environmental Protection Agency (USEPA) *Unified Guidance* (USEPA, 2009). Specifically, Section 6.3.4 of *Unified Guidance* (USEPA, 2009) indicates that “non-detect concentrations should not be assumed to be bounded above by the MDL” and suggests the use of the PQL for handling non-detect data. Note that while the laboratory PQL is utilized as the reporting limit for non-detect data, the laboratory continues to report actual estimated detections (i.e., detections above the MDL but below the PQL or J-flagged concentrations). Per USEPA recommendations (USEPA, 2009), substitutions are not conducted for J-flagged or estimated concentrations. These results are utilized at the reported estimated concentration even though the degree of uncertainty is probably greater than that associated with detections above the PQL (USEPA, 2009). Note that Section 6.14.7.2 of the approved *Hydrologic Monitoring System Plan* (HDR, 2021) indicates that “if >90 percent of the data are ND’s, the non-detected data will be transformed into one-half of the PQL and evaluated for non-parametric prediction limit.” This specifies the use of the PQL as the reporting limit for non-detect data.

The background data set and PQLs were reviewed in the current (Fall 2024) statistical evaluation. This consisted of reviewing the PQLs for metals constituents used in the intrawell and interwell prediction limit evaluation to determine whether PQLs have been lowered over time and whether some of the earlier non-detect data with elevated PQLs should be removed

from the background data due to the increased uncertainty it added. Non-detect background samples with a PQL of at least two times the maximum detected background concentration are recommended for removal. The background data set adjustments recommended and incorporated based on the review of PQLs include:

- ◆ Removal of the non-detect lead result with a PQL of 0.004 mg/L at GU-1.
- ◆ Removal of the non-detect antimony result with a PQL of 0.006 mg/L at MW-201B.
- ◆ Removal of the non-detect cadmium results with a PQL of 0.005 mg/L at MW-9AR and MW-201B.
- ◆ Removal of the non-detect copper result with a PQL of 0.02 mg/L at MW-201B.
- ◆ Removal of the non-detect vanadium result with a PQL of 0.05 mg/L at MW-201B.

The removed background data will be listed as crossed-out concentrations in Table 19 of the 2024 AWQR.

### 3.5 Outliers

The outliers flagged during prior statistical evaluations were maintained in the current (Fall 2024) evaluation. Outliers will be listed as o-flagged and as crossed-out concentrations in Table 19 of the 2024 AWQR.

No outliers were flagged during the current (Fall 2024 statistical evaluation).

### 3.6 Corrective Action Constituents

In accordance with the Unified Guidance (USEPA, 2009), corrective action statistics are conducted for analyte/well pairs with previously identified SSLs, as listed in Table 2. No new corrective action constituents were added based on the results of the previous Spring 2024 statistical evaluation. In addition, no corrective action constituents exited corrective action and returned to an assessment constituent in Fall 2024.

**Table 2**  
**Corrective Action Constituents**

Monitoring Location	Corrective Action Constituents <sup>(1)</sup>
MW-18	Cobalt
MW-19	Cobalt
MW-20	Benzene; Cobalt
MW-301	Cobalt

<sup>(1)</sup> Corrective action constituents are analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for three consecutive years in accordance with 567 IAC 113.10(9)e(2).

Under corrective action statistics, comparisons to background are not conducted (unless the GWPS is the background value); therefore, the analyte/well pairs listed in Table 2 are not included in the Section 4 comparisons to background. As detailed in Attachment 1, corrective action statistics compare the upper confidence limit to the compliance standard to determine whether concentration levels are in compliance with the GWPS. In the case of decreasing concentrations, the upper confidence limit on a regression trend line is utilized. All other compliance constituents in the corrective action monitoring locations (i.e., those without SSLs

over the GWPS during prior statistical evaluations) are evaluated using the assessment monitoring procedures.

## 4 Comparison to Background Levels

Comparisons to background levels were conducted using intrawell prediction limits, interwell prediction limits, and the Double Quantification Rule (DQR). As noted in Section 3.6, comparisons to background were not conducted for the corrective action constituents listed in Table 2.

### 4.1 Intrawell Prediction Limits

Intrawell prediction limits were used to formally assess SSIs over background for analytes that have been detected above the PQL in GU-1, GU-L, GU-O, GU-P, and MW-501. The analytes detected at each of these locations and the dates utilized for intrawell background are provided in Section 3.1.

#### 4.1.1 Intrawell Background

Intrawell background was not updated during this statistical evaluation. Section 5.3.2 of the *Unified Guidance* (USEPA, 2009) recommends that the intrawell background data set be updated periodically, after 4 to 8 new compliance observations have been collected. The guidance also states that “a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update.” Updating intrawell background will be reviewed in the Spring 2025 statistical evaluation.

#### 4.1.2 Intrawell Prediction Limit Results

The intrawell prediction limits are summarized in Table 3. The background data set adjustments discussed in Section 3 were utilized. Detailed prediction limit output for each analyte/well pair is included in Attachment 2.

**Table 3**  
**Intrawell Prediction Limit Summary <sup>(1)</sup>**

Chemical Name	Prediction Limit	Units	Intrawell Prediction Limit Type	Retesting Plan	Prediction Limit Method
<b>GU-1</b>					
Arsenic	0.1154	mg/L	Parametric (Lognormal)	1-of-2	$exp(\bar{y} + k \cdot s_y)$
Barium	1.52	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Cobalt	0.02268	mg/L	Parametric (Lognormal)	1-of-2	$exp(\bar{y} + k \cdot s_y)$
Lead	0.000943	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.07035	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Zinc	0.02	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
<b>GU-L</b>					
Arsenic	0.0069	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Barium	0.1122	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Cobalt	0.0129	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.009648	mg/L	Parametric (Normal with Kaplan-Meier Adjustment)	1-of-2	$\hat{\mu}_{KM} + k \cdot \hat{\sigma}_{KM}$
<b>GU-O</b>					
Arsenic	0.008109	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Barium	0.7554	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Cobalt	0.002654	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$

**Table 3 Continued**  
**Intrawell Prediction Limit Summary <sup>(1)</sup>**

Chemical Name	Prediction Limit	Units	Intrawell Prediction Limit Type	Retesting Plan	Prediction Limit Method
<b>GU-P</b>					
Arsenic	0.006706	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Barium	0.298	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cobalt	0.002872	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Lead	0.000526	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
<b>MW-501</b>					
Arsenic	0.02857	mg/L	Parametric (Normal with Kaplan-Meier Adjustment)	1-of-2	$\hat{\mu}_{KM} + k \cdot \hat{\sigma}_{KM}$
Barium	0.09243	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Cadmium	0.0004318	mg/L	Parametric (Normal with Kaplan-Meier Adjustment)	1-of-2	$\hat{\mu}_{KM} + k \cdot \hat{\sigma}_{KM}$
Cobalt	0.009624	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$
Lead	0.00234	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.01664	mg/L	Parametric (Normal)	1-of-2	$\bar{x} + k \cdot s$

<sup>(1)</sup> Intrawell background data is discussed in Section 3.1. Note that background data set adjustments were incorporated in accordance with Section 3.

Non-parametric prediction limits were used where either normality assumptions could not be met or there were less than 50% detects in the intrawell background data. Parametric prediction limits were used where there were greater than 50% detects in the intrawell background data and normality assumptions were met. Parametric lognormal prediction limits were used where there were greater than 50% detects in the intrawell background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

The monitoring locations exhibiting intrawell prediction limit exceedances during the September 2024 event are listed in Table 4.

**Table 4**  
**Sep. 2024 Intrawell Prediction Limit Exceedances**

Monitoring Location	Barium (mg/L)		Cobalt (mg/L)		Nickel (mg/L)	
	Prediction Limit	Result	Prediction Limit	Result	Prediction Limit	Result
<b>Detection Monitoring Locations</b>						
GU-P	0.298	0.303				
MW-501			0.009624	0.0131		
MW-501					0.01664	0.0415

## 4.2 Interwell Prediction Limits

Interwell prediction limits were used to formally assess SSIs over background at downgradient monitoring wells MW-15, MW-18, MW-19, MW-20, MW-22, MW-24, MW-26A, MW-300, MW-302R, MW-303, MW-304R, and MW-305 for analytes that have been detected above the PQL in the combined background data set (MW-9AR and MW-201B). These analytes were antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. In addition, interwell prediction limits were used to formally assess SSIs over background for cobalt in delineation monitoring wells MW-29, MW-30, MW-306, and MW-307A. Last, while the intrawell background for MW-501 remains lower than the intrawell background size recommended in the *Unified Guidance* (USEPA, 2009), interwell comparisons were also

conducted at MW-501 for the analytes that have been detected above the PQL in the combined background data set (MW-9AR and MW-201B).

#### 4.2.1 Interwell Prediction Limit Results

Interwell prediction limits calculated utilizing background sample data collected from April 2015 through September 2024 are summarized in Table 5. The background data set adjustments discussed in Section 3 were utilized. Detailed prediction limit output for each analyte/well pair is included in Attachment 2. The monitoring locations exhibiting interwell prediction limit exceedances during the September 2024 event are listed in Table 6.

**Table 5**  
**Interwell Prediction Limit Summary**  
**Apr. 2015 – Sep. 2024 Interwell Data <sup>(1)</sup>**

Chemical Name	Prediction Limit	Units	Interwell Prediction Limit Type	Retesting Plan	Prediction Limit Method
Antimony	0.0023	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Arsenic	0.005128	mg/L	Parametric (Lognormal)	1-of-2	$exp(\bar{y} + k \cdot s_y)$
Barium	0.575	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cadmium	0.000139	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Chromium	0.0134	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cobalt	0.00288	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Copper	0.00792	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Lead	0.00704	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.00561	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Vanadium	0.00796	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Zinc	0.02	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic

<sup>(2)</sup> Interwell data consists of the Appendix I and II parameters that have been detected in the combined background data set (MW-9AR and MW-201B). Note that background data set adjustments were incorporated in accordance with Section 3.

Non-parametric prediction limits were used for antimony, barium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc since either normality assumptions could not be met or there were less than 50% detects in the combined background data. A parametric lognormal prediction limit was used with arsenic since there were greater than 50% detects in the combined background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

**Table 6**  
**Sep. 2024 Interwell Prediction Limit Exceedances**

Prediction Limit	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	0.005128	0.575	0.000139	0.00288	0.00561	0.02
<b>Detection Monitoring Locations</b>						
MW-501			0.000314	0.0131	0.0415	0.0255
<b>Assessment Monitoring Locations</b>						
MW-15				0.00306	0.00953	
MW-22		1.1			0.0352	
MW-24					0.0234	
MW-26A	0.01	0.656		0.0731	0.0489	
MW-300			0.000295		0.00785	

**Table 6 Continued**  
**Sep. 2024 Interwell Prediction Limit Exceedances**

Prediction Limit	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	0.005128	0.575	0.000139	0.00288	0.00561	0.02
<b>Assessment Monitoring Locations Continued</b>						
MW-303					0.00656	
MW-304R				0.0068	0.0077	
<b>Corrective Action Monitoring Locations – Assessment Constituents</b>						
MW-18					0.0227	
MW-19					0.0233	
MW-20	0.00554	1.24			0.0215	
MW-301	0.00868				0.011	
<b>Delineation Monitoring Locations</b>						
None						

### 4.3 Double Quantification Rule

The DQR was used to evaluate SSIs over background for the remaining Appendix I and II constituents (i.e., constituents not evaluated using intrawell or interwell predictions limits and which have not been detected above the PQL in the intrawell and interwell background data sets). The DQR output is included in Attachment 3, with a summary of the September 2024 DQR detections listed in Table 7.

**Table 7**  
**Double Quantification Rule**  
**Sep. 2024 Detections**

Well	Constituent(s)
<b>Detection Monitoring Locations</b>	
GU-0	Zinc
MW-501	Zinc
<b>Assessment Monitoring Locations</b>	
MW-22	Benzene
MW-300	1,4-Dichlorobenzene; Chlorobenzene
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>	
MW-19	1,4-Dichlorobenzene; Chlorobenzene
MW-20	Chlorobenzene
MW-301	Chlorobenzene
<b>Delineation Monitoring Locations</b>	
None	

### 4.4 Summary of Comparison to Background

#### 4.4.1 Detection Monitoring Locations

No intrawell prediction limits exceedances or DQR detections were identified at GU-1 and GU-L in September 2024.

At GU-0, a single DQR detection was identified for zinc in September 2024 as listed in Table 7. No intrawell prediction limit exceedances were identified. Under the retesting plan, an SSI is not

declared until one subsequent resample result confirms the DQR detection identified. Therefore, a retest sample will be collected for zinc in GU-O prior to the next semiannual sampling event.

At GU-P, an intrawell prediction limit exceedance was identified for barium in September 2024 as listed in Table 4. No DQR detections were identified. Due to the limited intrawell background size of 4 samples for GU-P, an interwell prediction limit was also evaluated for barium in GU-P. The interwell prediction limit did not identify an exceedance for barium in GU-P in September 2024.

At MW-501, an intrawell prediction limit exceedance was identified for cobalt and nickel in September 2024 as listed in Table 4, and a single DQR detection was identified for zinc in September 2024 as listed in Table 7. Due to the limited intrawell background size of 5 samples for MW-501, interwell prediction limits were also evaluated for MW-501. As listed in Table 6, interwell prediction limit exceedances were identified for cadmium, cobalt, nickel, and zinc.

#### **4.4.2 Assessment Monitoring Locations**

No interwell prediction limit exceedances or DQR detections were identified at MW-302R and MW-305. Prediction limit exceedances were identified at MW-15, MW-22, MW-24, MW-26A, MW-300, MW-303, and MW-304R as listed in Table 6. DQR detections were identified at MW-22 and MW-300 as listed in Table 7. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

##### **4.4.2.1 Exiting Assessment Monitoring**

As discussed in Section 1, assessment monitoring locations may return to detection monitoring when Appendix II constituents fall below the current intrawell or interwell prediction limit (for constituents which are detected in the respective background data set) and below the laboratory reporting limit (for constituents which are not detected in the background data set) for three consecutive sampling events. Exiting assessment monitoring will be evaluated starting in the Fall 2025 statistical evaluation.

#### **4.4.3 Corrective Action Monitoring Locations – Assessment Constituents**

The interwell prediction limit exceedances and single DQR detections identified for the assessment constituents in corrective action monitoring locations MW-18, MW-19, MW-20, and MW-301 are listed on Tables 6 and 7. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

#### **4.4.4 Delineation Monitoring Locations**

No prediction limit exceedances or single DQR detections were identified for benzene and cobalt in MW-29, MW-30, MW-306, and MW-307A.

## **5 Comparison to Groundwater Protection Standard**

Except for zinc in GU-O and cadmium, cobalt, nickel, and zinc in MW-501, the interwell prediction limit exceedances and DQR detections listed in Tables 6 and 7 were declared SSIs and evaluated for SSLs over the GWPS per 567 IAC 113.10(6)f and g. Comparisons to the GWPS were evaluated through statistical confidence intervals under the assessment monitoring null hypothesis. SSLs were declared to exist with statistical certainty when the lower confidence limit exceeds the GWPS.

In contrast, corrective action analyte/well pairs (i.e., those where SSLs have been previously declared) were evaluated to determine compliance with the GWPS per 567 IAC 113.10(9)e. A summary of the corrective action constituents was provided in Table 2. Comparisons to the GWPS in this case were evaluated through statistical confidence intervals under the corrective action monitoring null hypothesis, or in the case of downward trending data, confidence bands (upper 95% confidence limits) placed around the linear trend line. For corrective action constituents, compliance with the GWPS has been achieved with statistical certainty when the UCL or the upper 95% confidence limit on the trend line is lower than the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR.

Statistical outputs for confidence intervals in assessment mode, regression statistics, confidence bands, and confidence intervals in corrective action mode are included in Attachment 4.

## **5.1 Background as the Cobalt GWPS**

With cobalt, the concentrations in the interwell background data set exceed the 567 IAC Chapter 137 Statewide Standard. Therefore, pursuant to 567 IAC 113.10(6)h, the GWPS for cobalt is taken as background and evaluated with the statistical methods described in Attachment 1 and as recommended in the *Unified Guidance* (USEPA, 2009). Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well.

For wells screened in erosion surface or weathered/unweathered glacial till and not located in the Indian Creek floodplain, the confidence interval (i.e., one-sample) method is evaluated. With background as the GWPS, the confidence limit is compared to the combined MW-9AR and MW-201B background upper tolerance limit with 95% confidence and 95% coverage (discussed in detail in Attachment 1). Statistical output for the cobalt tolerance limit is included in Attachment 4.

For wells screened in alluvium and located in the Indian Creek floodplain, IDNR approved a site-specific cobalt GWPS of 0.00631 mg/L in the letter dated December 23, 2024 (IDNR, 2024). This value was based on the May 2024 cobalt concentration in MW-213A. As listed in Table 1, monitoring for the Appendix I list was conducted at MW-213A in September 2024; however, those results were not included in background at this time. Once at least 3 data points are collected from MW-213A, an interwell tolerance limit with 95% confidence and 95% coverage using the MW-213A background data will be utilized to update the site-specific background GWPS for wells screened in alluvium and located in the Indian Creek floodplain. Note: results from additional existing or newly installed (if applicable) background wells located within the Indian Creek floodplain may also be utilized to develop and update the background data set for wells screened in alluvium and located in the Indian Creek floodplain

## **5.2 Data Concentration Shifts During Corrective Action**

Statistically significant decreasing linear trends were identified for benzene in MW-20, cobalt in MW-18, and cobalt in MW-301. As detailed in Attachment 1, 90% confidence bands (upper 95% confidence limits) placed around the linear trend line were used since significantly decreasing linear trends were identified for these well/analyte pairs. With this method for cobalt, the two site-specific background GWPS values discussed in Section 5.1 were utilized. Regression statistics and confidence band outputs for these analyte/well pairs are provided in Attachment 4.



The upper 95% confidence limit remained below the GWPS for cobalt in MW-18. In addition, benzene in MW-20 newly achieved compliance with the GWPS during this (Fall 2024) statistical evaluation. Conversely, the upper 95% confidence limits were above the GWPS for cobalt in MW-301.

### 5.3 First Order Regression Calculations

Table 10 of the AWQR lists a projected year to completion for each analyte/well pair in corrective action (i.e., those listed in Table 2 of this memo). Remedy completion timeframes were estimated for the individual analyte/well pairs in corrective action for inclusion in Table 10 of the 2024 AWQR.

For the corrective action constituents that have achieved compliance with the GWPS (i.e., benzene in MW-20, cobalt in MW-18, and cobalt in MW-20), first order regression calculations were not utilized. The projected year to completion is three years after compliance with the GWPS was first statistically achieved and will remain that date as long as concentrations remain statistically below the GWPS during the interim statistical evaluations.

For the remaining corrective constituents (i.e., those that have not achieved compliance with the GWPS), the projected year to completion was based on the first order regression calculations for each individual analyte/well pair. The projected years to completion are three years after the first order regression calculations projected initial compliance with the GWPS. For the corrective action constituents with decreasing trends (i.e., cobalt in MW-301), the first order regression calculations and projected year to completion are included on the regression statistics output in Attachment 4. The first order regression calculations for the remaining corrective action constituent (i.e., cobalt in MW-19) are included in “Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion” table in Attachment 4.

### 5.4 SSL Summary

A summary of the SSLs evaluated using confidence intervals in assessment mode, confidence intervals in corrective action mode, and confidence bands placed around the linear trend line is provided in Table 8.

**Table 8**  
**SSL Summary**  
**Apr. 2015 – Sep. 2024 Appendix II Data**

Chemical Name	Wells with SSL <sup>(1)</sup>	SSL Not Identified or Rejected <sup>(1)</sup>	GWPS <sup>(2)</sup>
<b>Assessment Monitoring Locations</b>			
1,4-Dichlorobenzene (ug/L)		MW-300	75
Arsenic (mg/L)		MW-26A	0.01
Barium (mg/L)		MW-22, MW-26A	2
Benzene (ug/L)		MW-22	5
Cadmium (mg/L)		MW-300	0.005
Chlorobenzene (ug/L)		MW-300	100
Cobalt (mg/L)		MW-15, MW-26A, MW-304R	0.00631
Nickel (mg/L)		MW-15, MW-22, MW-24, MW-26A, MW-300, MW-303, MW-304R	0.1
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>			
1,4-Dichlorobenzene (ug/L)		MW-19	75
Arsenic (mg/L)		MW-20, MW-301	0.01

**Table 8 Continued**  
**SSL Summary**  
**Apr. 2015 – Sep. 2024 Appendix II Data**

Chemical Name	Wells with SSL <sup>(1)</sup>	SSL Not Identified or Rejected <sup>(1)</sup>	GWPS <sup>(2)</sup>
<b>Corrective Action Monitoring Locations – Assessment Constituents Continued</b>			
Barium (mg/L)		MW-20	2
Chlorobenzene (ug/L)		MW-19, MW-20, MW-301	100
Nickel (mg/L)		MW-18, MW-19, MW-20, MW-301	0.1
<b>Corrective Action Monitoring Locations – Corrective Action Constituents</b>			
Benzene (ug/L)		Benzene	5
Cobalt (mg/L)		MW-18, MW-20	0.00631
Cobalt (mg/L)	MW-19, MW-301		0.00288

<sup>(1)</sup> Under the assessment null hypothesis, an SSL is indicated when the lower confidence limit exceeds the GWPS. Under corrective action null hypothesis, an SSL remains when the upper confidence limit exceeds the GWPS.

<sup>(2)</sup> Values are the 40 CFR Part 141 Safe Drinking Water Act MCL, the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source, or Background in the case of cobalt. Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well, which is further discussed in Section 5.1.

## 5.5 Summary of Comparison to Groundwater Protection Standard

### 5.5.1 Assessment Monitoring Locations

No SSLs were identified in the assessment monitoring locations.

### 5.5.2 Corrective Action Monitoring Locations

No SSLs were identified for the assessment constituents in the corrective action monitoring locations.

For the corrective action constituents listed in Table 2, SSLs over the GWPS remained for cobalt in MW-19 and MW-301. While compliance with the GWPS was not achieved, a statistically significant decreasing trend was identified for cobalt in MW-301.

Compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 starting with the Spring 2024 statistical evaluation and remained during the current statistical evaluation. In addition, compliance with the GWPS was newly achieved for benzene in MW-20 during the current (Fall 2024) statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-18 and MW-20 and benzene in MW-20 will return to assessment constituents in Spring 2027 and Fall 2027, respectively, as long as concentrations remain below the GWPS during interim statistical evaluations.

## 6 Effective Power and Site-Wide False Positive Rate

Statistical power calculations, effective power curves for the 1-of-2 prediction limit plan, and the current site-wide false positive rate (SWFPR) will be evaluated starting in the Spring or Fall 2025 statistical evaluations.

Statistical power calculations for confidence limits compared to the GWPS under assessment monitoring (or assessment mode under corrective action) are included in the confidence interval output of Attachment 4. Details regarding the purpose and procedures for these calculations are provided in Attachment 1. Confidence limits are calculated to meet statistical power levels of 50% for increases in the true concentration mean of 1.5 times a fixed standard,

and 80% for increases in the true concentration mean of 2.0 times a fixed standard, as discussed in *Unified Guidance* (USEPA, 2009) Chapter 22.

## **7 Conclusions**

The methodology described in Section 3 and Attachment 1 was utilized to conduct the statistical evaluations for the locations in the detection, assessment, corrective action, and delineation monitoring programs. A summary of the Fall 2024 statistical results is presented in Table 9 and detailed in the following subsections.

**Table 9**  
**Summary of the Fall 2024 Evaluation**

Monitoring Location	Monitoring Program	Current Schedule <sup>(1)</sup> (Sep. 2024)	Current SSLs	Corrective Action Constituents <sup>(2)</sup>		Retesting Parameter <sup>(3)</sup>	Monitoring Program Changes
				Current SSLs	Achieved Compliance with GWPS		
<b>Groundwater Underdrain Monitoring Locations</b>							
GU-1	Detection	Appendix I					
GU-L	Detection	Appendix I					
GU-O	Detection	Appendix I				Zinc	
GU-P	Detection	Appendix I					
<b>Downgradient Monitoring Locations</b>							
MW-15	Assessment	Appendix II	Cobalt; Nickel				
MW-18	Corrective Action	Appendix II	Nickel		Cobalt		
MW-19	Corrective Action	Appendix II	1,4-Dichlorobenzene; Chlorobenzene; Nickel	Cobalt			
MW-20	Corrective Action	Appendix II	Arsenic; Barium; Chlorobenzene; Nickel		Benzene; Cobalt		
MW-22	Assessment	Appendix II	Barium; Benzene; Nickel				
MW-24	Assessment	Appendix II	Nickel				
MW-26A	Assessment	Appendix II	Arsenic; Barium; Cobalt; Nickel				
MW-300	Assessment	Appendix II	1,4-Dichlorobenzene; Cadmium; Chlorobenzene; Nickel				
MW-301	Corrective Action	Appendix II	Arsenic; Chlorobenzene; Nickel	Cobalt			
MW-302R	Assessment	Appendix II					
MW-303	Assessment	Appendix II	Nickel				
MW-304R	Assessment	Appendix II	Cobalt; Nickel				
MW-305	Assessment	Appendix II					
MW-501	Detection	Appendix I	Cobalt, Nickel, Zinc				
MW-502	Future Detection <sup>(4)</sup>	Appendix I					
<b>Delineation Monitoring Locations</b>							
MW-29	Delineation	Benzene; Cobalt					
MW-30	Delineation	Benzene; Cobalt					
MW-306	Delineation	Benzene; Cobalt					
MW-307A	Delineation	Benzene; Cobalt					

**Table 9 Continued**  
**Summary of the Fall 2024 Evaluation**

Monitoring Location	Monitoring Program	Current Schedule <sup>(1)</sup> (Sep. 2024)	Current SSIs	Corrective Action Constituents <sup>(2)</sup>		Retesting Parameter <sup>(3)</sup>	Monitoring Program Changes
				Current SSLs	Achieved Compliance with GWPS		
<b>Background Monitoring Locations</b>							
MW-9AR	Background	Appendix II					
MW-201B	Background	Appendix II					
<b>Potential Background Expansion <sup>(5)</sup></b>							
MW-204A	Background	Appendix I					
MW-204B	Background	Appendix I					
MW-213A	Background	Appendix I					
MW-213B	Background	Appendix I					
MW-214	Background	Appendix I					
MW-215	Background	Appendix I					
MW-218	Background	Appendix I					

<sup>(1)</sup> Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Sep. 2024. Resampling for the full Appendix II list at the assessment, corrective action, and background monitoring wells is conducted every five years.

<sup>(2)</sup> Analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for 3 consecutive years in accordance with 567 IAC 113.10(9)e(2).

<sup>(3)</sup> Retest samples will be collected prior to the next semiannual sampling event and will be utilized to determine if any monitoring program changes will be initiated.

<sup>(4)</sup> Monitoring was initiated at MW-502 in Mar. 2021 to establish baseline intrawell background. Compliance monitoring under the detection monitoring program will be initiated at MW-502 following the future construction of Phase 5B (HDR, 2021).

<sup>(5)</sup> In May 2024, MW-204A/B, MW-213A/B, and MW-218 were monitored for the Appendix I metals, TSS, and other indicator parameters to evaluate for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024) for MW-304R and MW-501. In Sep. 2024, MW-204A/B, MW-213A/B, MW-214, MW-215, and MW-218 were monitored for the Appendix I list and TSS to continue evaluation for background expansion. Note that MW-214 and MW-215 were previously included in the background monitoring network and had been monitored for the Appendix I and detected Appendix II constituents between Apr. 15 and Mar. 21. These locations were not added to the background monitoring network at this time. Additional discussion is provided in the 2024 AWQR.

### 7.1.1 Detection Monitoring

In September 2024, semiannual detection monitoring for the Appendix I list was conducted at GU-1, GU-L, GU-O, GU-P, and MW-501. No SSIs were identified at GU-1, GU-L, and GU-P. Note that an intrawell prediction limit exceedance was identified for barium in September 2024. Due to the limited intrawell background size of 4 samples for GU-P, an interwell prediction limit was also evaluated for barium in GU-P. The interwell prediction limit did not identify an exceedance for barium in GU-P in September 2024.

At GU-O, a single DQR detection was identified for zinc in September 2024. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection identified. Therefore, a retest sample will be collected for zinc in GU-O prior to the next semiannual sampling event.

At MW-501, intrawell prediction limit exceedances or single DQR detections were identified for cobalt, nickel, and zinc in September 2024. While the intrawell background for MW-501 remains lower than the intrawell background size recommended in the *Unified Guidance* (USEPA, 2009), interwell comparisons were also conducted at MW-501 for the analytes that have been detected above the PQL in the combined background data set (MW-9AR and MW-201B). Interwell prediction limit exceedances were identified for cadmium, cobalt, nickel, and zinc in September 2024. For cadmium, an SSI was not identified since the intrawell prediction limit was not exceeded. For cobalt, nickel, and zinc, SSIs were declared in lieu of retesting. An *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) was submitted in 2024 regarding metal detections at MW-501. Additional discussions regarding the status of the alternate source demonstration and the SSIs identified will be provided in the 2024 AWQR.

Semiannual detection monitoring for the Appendix I list will be conducted at GU-1, GU-L, GU-O, GU-P, and MW-501 in Spring 2025.

### 7.1.2 Assessment Monitoring

In September 2024, semiannual assessment monitoring for Appendix I and detected Appendix II constituents was conducted at MW-15, MW-22, MW-24, MW-26A, MW-300, MW-302R, MW-303, MW-304R, and MW-305.

No SSIs were identified at MW-302R and MW-305. The SSIs identified at MW-15, MW-22, MW-24, MW-26A, MW-300, MW-303, and MW-304R are summarized in Table 9. No SSIs were identified for the assessment monitoring locations.

Exiting assessment monitoring will be evaluated starting in the Fall 2025 statistical evaluation.

Semiannual assessment monitoring for Appendix I and detected Appendix II constituents will be conducted at MW-15, MW-22, MW-24, MW-26A, MW-300, MW-302R, MW-303, MW-304R, and MW-305 in Spring 2025. In accordance with Permit Special Provision X.4.f, resampling for the full Appendix II list at assessment monitoring wells is conducted every five years. The dates of the next five-year resampling events will be provided in Table 2 of the 2024 AWQR.

### 7.1.3 Corrective Action Monitoring

In September 2024, semiannual corrective action monitoring for Appendix I and detected Appendix II constituents was conducted at MW-18, MW-19, MW-20, and MW-301.

The SSLs identified for the assessment constituents in MW-18, MW-19, MW-20, and MW-301 are summarized in Table 9. No SSLs were identified for the assessment constituents in the corrective action monitoring locations.

Confidence intervals in corrective action mode or 90% confidence bands around linear trend lines were utilized to evaluate the corrective action constituents listed in Table 2. For cobalt, the two site-specific background GWPS values discussed in Section 5.1 were utilized. As shown in Table 9, SSLs over the GWPS remained for cobalt in MW-19 and MW-301. While compliance with the GWPS was not achieved, a statistically significant decreasing trend was identified for cobalt in MW-301.

Compliance with the GWPS was achieved for cobalt in MW-18 and MW-20 starting with the Spring 2024 statistical evaluation and remained during the current statistical evaluation. In addition, compliance with the GWPS was newly achieved for benzene in MW-20 during the current (Fall 2024) statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-18 and MW-20 and benzene in MW-20 will return to assessment constituents in Spring 2027 and Fall 2027, respectively, as long as concentrations remain below the GWPS during interim statistical evaluations.

Semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents will be conducted at MW-18, MW-19, MW-20, and MW-301 in Spring 2025. In accordance with Permit Special Provision X.4.f, resampling for the full Appendix II list at corrective action monitoring wells is conducted every five years. The dates of the next five-year resampling events will be provided in Table 2 of the 2024 AWQR.

#### **7.1.4 Delineation Monitoring**

In September 2024, semiannual delineation monitoring for benzene and cobalt was conducted at MW-29, MW-30, MW-306, and MW-307A. No SSLs were identified.

Semiannual delineation monitoring for benzene and cobalt will be conducted at MW-29, MW-30, MW-306, and MW-307A in Spring 2025.

#### **7.1.5 Background Monitoring**

In September 2024, semiannual background monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-9AR and MW-201B. In addition, the potential background expansion wells (i.e., MW-204A/B, MW-213A/B, MW-214, MW-216, and MW-218) were monitored for the Appendix I list in September 2024 to continue evaluation for background expansion and support the *Alternative Source Demonstration: Spring 2024* (HDR, 2024a) for MW-304R and MW-501. These locations were not added to the background monitoring network or utilized for statistical comparisons at this time. Additional discussion will be provided in the 2024 AWQR.

Semiannual background monitoring for the Appendix I and detected Appendix II constituents will be continued at MW-9AR and MW-201B in Spring 2025. Consideration will be given to resampling the full Appendix II list at the background monitoring locations when the assessment and corrective action monitoring locations are resampled. See Table 2 of the 2024 AWQR for details.

**Attachment 1**  
**Detailed Discussion of Statistical Methods**



### Statistical Methodology

#### 1. Comparison to Background

For determining which parameters will need a formal statistical treatment, the Unified Guidance (USEPA, 2009) suggests splitting monitoring parameters into three distinct groups: a) reliable indicators selected for formal testing; b) other analytes which are monitored for general groundwater quality information but not statistically tested; and c) those meeting the “never-detected” criteria. Only those parameters with some historically detected presence in background need to be included in the first group and treated with a formal statistical test. Any parameter that has never been detected in background is eligible for the third group of “never-detected” constituents. Constituents with detections below the reporting limit (J-flagged data) will be considered “never-detected.” As a means of evaluating the third group, the Unified Guidance suggests the Double Quantification Rule (DQR). The DQR is stated in the Unified Guidance as:

*“A confirmed exceedance is registered if any well-constituent pair in the ‘100% non-detect’ group exhibits quantified measurements [i.e., at or above the reporting limit (RL)] in two consecutive sample and resample events.”*

The Unified Guidance also recommends establishing background sample sizes as large as feasible. The guidance recognizes that small sample sizes in background can be “particularly” troublesome, especially in controlling statistical test false positive and negative rates. With parametric tests (such as parametric prediction limits), the false positive rate may be controlled, but at the expense of statistical power. With non-parametric tests (such as non-parametric prediction limits or the “quasi-statistical” DQR), the false positive rate may be unacceptably high. The Unified Guidance suggests that generally at least 8 to 10 separate background measurements be available, recognizing that statistical power continues to increase with larger sample sizes.

The statistical analysis methods utilized for comparison to background were the DQR and “1-of-2” intrawell and interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009).

#### Background Data Set

The interwell background data set was modified in the *Hydrologic Monitoring System Plan* (HDR, 2021) to use only MW-9AR and MW-201B. The high-volume results collected before April 2015 were removed before conducting statistical analyses. Therefore, the interwell background data set consists of the April 2015 to current results in the combined MW-9AR and MW-201B background data set.

#### Double Quantification Rule

The DQR will be used to evaluate SSIs over background for the Appendix I and II constituents that were not detected above the reporting limit in the background data sets. An SSI will be indicated for any well-constituent pair with quantified measurements at or above the reporting limit noted for two consecutive sample and resample events. If applicable, the resample will be collected prior to next semiannual sampling event.

### Interwell Prediction Limits

Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents which have been detected above the reporting limit in the background data set. A "1-of-2" retesting plan will be utilized on individual sample results. The 1-of-2 retesting plan as defined in the Unified Guidance concludes that an SSI has occurred when two out of two sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 are below the limit. If applicable, the resample will be collected prior to next semiannual sampling event. The prediction limit for each constituent will be recalculated semiannually.

For interwell constituents with less than or equal to 50% detects in the background data set, a non-parametric prediction limit will be utilized. The non-parametric prediction limit will be taken as the maximum order statistic (maximum value) of the background data.

For interwell constituents with greater than 50% 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 will be utilized (as described in the paragraph above). If the background data is normally distributed or can be fit to a normal distribution utilizing a normalizing transformation, then a normal-based parametric prediction limit will be applied.

When considering a lognormal prediction limit, a comparison will be made to the maximum order statistic for the background data set. Lognormal prediction limits can be sensitive to smaller departures from lognormality. That is, if data are not truly lognormal, but also not rejected as lognormal, the prediction limit may be inflated because of the transformation. In choosing a lognormal limit, in addition to the percent detections and lognormal goodness of fit criteria, an additional convention will be applied. If the lognormal limit exceeds the level of twice the maximum background concentration, it is assumed that the lognormal model does not adequately fit the background distribution and a non-parametric prediction limit will be selected.

For interwell constituents with 50% to 85% detects in the background data set, Kaplan-Meier estimation will be applied to manage statistical bias introduced by non-detects. For interwell constituents with over 85% detects in the background data set, half the reporting limit will be used for non-detect data. These estimation methods follow Unified Guidance recommendations and are given in detail in Unified Guidance Chapter 15 (USEPA, 2009).

The parametric prediction limit will be calculated as:

$$PL = \bar{x} + k \cdot s$$

where  $\bar{x}$  is the sample mean of the April 2015 through current event background data,  $s$  is the sample standard deviation, and  $k$  is the multiplier obtained from the Unified Guidance Table 19-1 (USEPA, 2009) for 1-of-2 interwell prediction limits on observations. In determining  $k$ , the number of constituents of concern (COCs) for formal statistical evaluation along with the number of downgradient wells need to be identified. Per the basic subdivision discussion presented in Section 19.2.1 of the Unified Guidance, along with the discussion regarding the use of the appendix tables for parametric retesting plans given on pages 19-13 through 19-15 of the Unified Guidance (USEPA, 2009), the  $k$ -multiplier is chosen based on the number of constituents, wells, and evaluations performed annually. When an exact well and COC

configuration is not given in the appendix tables, the  $k$ -multiplier is linearly interpolated as described on page 19-14 of the Unified Guidance (USEPA, 2009).

Sanitas® v10.0. software (Sanitas Technologies) will be used to check distributional assumptions, perform Kaplan-Meier in the case of 50% to 85% detects in the background data set, and calculate the  $k$ -multipliers and subsequent prediction limits.

#### Intrawell Prediction Limits

Intrawell prediction limits are calculated in a similar manner to that described above for the interwell case. A main difference between the two methods is the intrawell limit is calculated from a collection of background measurements within the compliance well. A minimum of eight compliance well background samples will be used when calculating the limit.

A second difference is for the parametric prediction limit, in which the  $k$ -multiplier is modified from the interwell case, as given in Appendix D Tables 19-10 through 19-18 of the Unified Guidance (USEPA, 2009).

Updating intrawell background is performed periodically. The Unified Guidance (Section 5.3.2) recommends that 4 to 8 new compliance observations be collected prior to updating the background dataset. The guidance also states that “a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update.” A two-sample t-test or Wilcoxon rank-sum test between existing intrawell background data and the potential set of newer background data is performed, and a non-significant result ( $\alpha = 0.05$ ) implies that the newer compliance data can be re-classified as background measurements.

For Wilcoxon rank-sum tests, non-detect results cannot be ranked with certainty and the problem is compounded with multiple PQLs and/or J-flagged values (USEPA, 2009). In comparisons where a substantial fraction of non-detect and/or J-flagged measurements or changing PQLs occur, professional judgment will be utilized for evaluating significant differences between the existing intrawell background data and the potential newer set of background data. Consideration will be given to whether significant differences are due to artificial variation introduced by censored data.

## 2. Comparison to Groundwater Protection Standard – Assessment Monitoring

According to 567 IAC 113.10(6)f and g, under the assessment monitoring program Appendix II results which have been determined to be statistically above background are also statistically compared to the GWPS. If “Appendix II constituents are detected at statistically significant levels above the GWPS” a notice is placed in the operating record and characterization is begun.

Under 567 IAC 113.10(6)h, the GWPS is the maximum contaminant level (MCL) promulgated under Section 1412 of the Safe Drinking Water Act in 40 Code of Federal Regulations (CFR) Part 141. If no MCL exists, or if background concentrations are higher than the MCL, the GWPS is defined as background. Also, per 567 IAC 113.10(6)i, an alternative GWPS may be established by the department for constituents for which there is no MCL such as the “health-based concentrations that comply with the statewide standards for groundwater established pursuant to 567 IAC Chapter 137.”

When the GWPS is background concentrations, the statistical methods discussed in the above “1. Comparison to Background” are used. When the GWPS is the MCL or an alternative health-based concentration, per the Unified Guidance (USEPA, 2009), “confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action 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. A lower 99% confidence limit falling above the GWPS implies that concentrations are detected at statistically significant levels above the GWPS with an  $\alpha$ -level of 0.01, which is the minimum RCRA regulatory limit from §264.97(i)(2) for an individual test false positive error rate.

The Unified Guidance recognizes that statistical power is also of prime concern to USEPA and that there “should be a high probability that the statistical test will positively identify concentrations that have exceeded a fixed regulatory standard.” In compliance/assessment monitoring, instead of pre-specifying the false positive rate prior to computing confidence interval limits, the Unified Guidance suggests the desired level of power ( $1-\beta$ ) should be set as an initial target.

For compliance/assessment monitoring purposes, the Unified Guidance (Chapter 22) suggests evaluating increases in the true concentration mean of 1.5 and 2.0 times a fixed standard. (This is similar in concept to the critical power targets in detection monitoring, i.e., 55-60% power at  $3\sigma$  above background and 80-85% power at  $4\sigma$  over background). As a general guide, the Unified Guidance suggests there should be at least 70-80% statistical power for detecting increases of 2 times a fixed standard. Specifically, the Unified Guidance recommends there be 50% power of detecting increases in the true concentration mean of 1.5 times a fixed standard (risk ratio of 1.5) and 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard (risk ratio of 2.0).

To meet these levels of statistical power,  $\alpha$  is chosen based on either Unified Guidance Equation 22.1:

$$1 - \beta = G_{T,n-1} \left( t_{1-\alpha,n-1} \left| \Delta - \sqrt{n}(R - 1) \right. \right);$$

where R is the desired risk ratio,  $t_{(1-\alpha,n-1)}$  is the  $(1-\alpha)$  Student’s t-quantile with  $(n-1)$  degrees of freedom and G represents the cumulative non-central t-distribution with  $(n-1)$  degrees of freedom and noncentrality parameter  $\Delta$ ;

or Unified Guidance Equation 22.2:

$$\alpha \sim 1 - F_{T,n-1} \left( \frac{(R-1)\sqrt{n}}{R \cdot CV} - t_{1-\beta,n-1} \right);$$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation,  $t_{(1-\beta,n-1)}$  is the  $(1-\beta)$  Student’s t-quantile with  $(n-1)$  degrees of freedom, and F is the cumulative (central) Student’s t-distribution function.

The first equation (Unified Guidance Equation 22.1) assumes a coefficient of variation (CV) =1. This version is used if only poorer estimates of the true CV are available. In practice, a convention has been adopted with the statistical updates to utilize Unified Guidance Equation 22.2 in all cases where a parametric confidence interval is calculated and use Unified Guidance Equation 22.1 when non-parametric confidence intervals are calculated. Since a non-parametric confidence interval is based on the median, it is not as sensitive to departures from normality,

and the assumption of a CV=1 in Unified Guidance Equation 22.1 should provide a conservative estimate.

Since 0.01 is the minimum RCRA regulatory limit for  $\alpha$ , it is never set lower than this. Conversely, the Unified Guidance recognizes the “difficulty of simultaneously attaining the recommended level of power while controlling the false positive rate, especially for small sample sizes and highly variable data.” The Unified Guidance suggests a maximum false positive rate of  $\alpha=0.2$  is a reasonable upper bound.

Finally, like the need for defining a SWFPR under detection monitoring, the Unified Guidance (Chapter 7) recognizes there may be concern about the “use of relatively high individual test-wise false positive rates ( $\alpha$ ) in order to meet a pre-specified power, especially when considering the cumulative false positive error rate across multiple wells and/or constituents.” However, “the Unified Guidance considers computation of cumulative SWFPRs in compliance/assessment testing to be problematic, and reliance on individual test false positive rates preferable.” Notwithstanding, if several confidence limit calculations are compared to the GWPS with high  $\alpha$ -levels, caution should be taken in the interpretation.

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits.

### 3. Comparison to Groundwater Protection Standard – Corrective Action Monitoring

As stated above, if “Appendix II constituents are detected at statistically significant levels above the GWPS” a notice is placed in the operating record and characterization is begun. Owners or operators are required to initiate an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion in accordance with 567 IAC 113.10(9)e(2), compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the Department.

Individual analyte/well pairs may return to assessment constituents (at the corrective action monitoring location) once compliance with the GWPS has been achieved for a period of 3 years. Note that monitoring wells will not move out of the corrective action monitoring program until all Appendix II constituents have achieved compliance with the GWPS for a period of three consecutive years.

#### Confidence Intervals in Corrective Action Mode

In the case of the GWPS being a fixed standard as either the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source, “confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring” (USEPA, 2009). However, a primary difference between confidence intervals as used under assessment monitoring and confidence intervals used under corrective action is reversal of the null hypothesis. As detailed in Section 7.2 of the Unified Guidance (USEPA, 2009), the hypothesis testing structure under assessment

monitoring is to presume compliance point concentrations do not to exceed the fixed standard unless sampling data indicates otherwise. As a formal statistical hypothesis, this is written as:

$$H_0: \Theta \leq G \text{ vs. } H_A: \Theta > G$$

In corrective action mode, the hypothesis is reversed. Namely, compliance point concentrations are presumed to exceed the fixed standard and evidence must be presented to demonstrate regulatory compliance. In the case of corrective action, the statistical hypothesis is written as:

$$H_0: \Theta > G \text{ vs. } H_A: \Theta \leq G$$

For testing under assessment monitoring, a lower confidence limit (LCL) is compared to the compliance standard  $G$ . If the LCL is larger than the standard  $G$ , it is concluded that the compliance standard has been violated.

However, under corrective action monitoring, the upper confidence limit (UCL) is compared to the compliance standard  $G$ . In this case, the UCL should lie below the standard to accept the alternative hypothesis that concentration levels are in compliance.

The UCL  $\alpha$ -level under corrective action monitoring is set so that a high degree of confidence is achieved in declaring successful remediation. Per the Unified Guidance (Section 7.4.2) "USEPA's overriding concern in corrective action is that remediation efforts are not declared successful without sufficient statistical proof." The Unified Guidance "recommends the use of a reasonably low, fixed test-wide false positive rate (e.g.,  $\alpha = 0.05$  or  $0.10$ )." In this case,  $\alpha = 0.10$  corresponds to a 90% UCL.

#### GWPS as Background

Pursuant to 567 IAC 113.10(6)h, when background concentrations of an analyte exceed the applicable MCL or 567 IAC Statewide Standard for a Protected Groundwater Source, the GWPS is the background concentration. In this case, the GWPS is not a fixed standard but based on a distribution of background sample results.

Section 7.5 of the Unified Guidance (USEPA, 2009) details statistical hypothesis testing under corrective action when the GWPS is background. The Unified Guidance offers two alternative statistical approaches to hypothesis testing in this case. These alternatives are as follows:

- A. The first represents a *two-sample* test of two distinct populations, namely the compliance well to background populations. Similar to the statistical tests used under detection and assessment monitoring, with this alternative under corrective action, the Unified Guidance states that "one highly recommended statistical test approach is a prediction limit." The Unified Guidance also states, "whatever the critical value for a selected background test, it becomes the GWPS under compliance/assessment or corrective action monitoring." Further, "the only allowable hypothesis test structure for the two-sample approach follows that of detection and compliance monitoring. Once exceeded and in corrective action, a return to compliance is through evidence that future samples lie below the GWPS using the same hypothesis structure." Therefore, with this approach in corrective action, prediction limits are calculated similarly as in assessment monitoring. Compliance well concentrations below a prediction limit indicate a return to concentrations below the background GWPS.

- B. The second involves computation of a fixed statistic from the background data as the GWPS. The Unified Guidance recommendation in this case is to define a fixed GWPS based on a background upper tolerance limit with 95% confidence and 95% coverage. This is designed to be a “reasonable maximum on the likely range of background concentrations.” This upper tolerance limit based on background data is then used as a fixed standard in statistical comparisons with 90% or 95% UCLs from compliance wells as discussed previously. Also, with the UCL method, the null hypothesis is reversed from that of assessment monitoring, assuming contamination is above the GWPS. A UCL falling below the background GWPS offers evidence of a return to concentrations below the GWPS. The Unified Guidance refers to this approach as a *single-sample* testing method, since the compliance well population is tested against a defined fixed standard.

The Unified Guidance discusses tradeoffs between the two approaches and does not necessarily prescribe either approach over the other. The Unified Guidance suggests that both approaches may be used, where “the background GWPS would be a range based on the two testing methods rather than a single value.”

#### Normality

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits. “Corrective Action Mode” is selected for this analysis.

#### Non-Corrective Action Constituents

As recommended in the Unified Guidance (USEPA, 2009), confidence intervals in corrective action mode will be utilized to evaluate only constituents and monitoring locations with previously identified SSLs over the GWPS. Other compliance constituents (i.e., those without SSLs over the GWPS during prior statistical evaluations) will continue to be evaluated using the “1. Comparison to Background” and “2. Comparison to Groundwater Protection Standard – Assessment Monitoring” methods described above.

Note: The Unified Guidance (USEPA, 2009) states: “it should be recognized that once corrective action or remediation activities are initiated, there will be a considerable time during which the GWPS may still be exceeded. As provided in the RCRA regulations, it is at the conclusion of remediation activities that formal corrective action monitoring evaluation is appropriate. However, in the intervening period of remedial activity, well constituents can still be monitored, and the relative efficacy of remediation measures tracked. The same corrective action hypothesis can be assumed for the targeted constituents; techniques such as trend testing may be appropriate interim applications.” Given the statement above and the intentions of 567 IAC 113.10(6)g, as soon as an SSL is identified for an assessment monitoring constituent/location, then the next statistical evaluation will utilize corrective action monitoring (confidence intervals in corrective action mode).

#### Data Concentration Shifts During Corrective Action

Confidence intervals assume that the population is stable over time. As a result, confidence intervals may not accurately represent the current well concentrations if increasing or decreasing trends are observed (i.e., during a release or under active remediation). Per the Unified Guidance (USEPA, 2009), lower or upper confidence limits constructed on accumulated

data may be overly wide (due to high sample variability caused by combining pre- and post-shift data) and may not be reflective of more recent upward/downward shifts in the contaminant distribution.

Alternative procedures may be applied to data sets with shifting distributions. For example, where trends tests are significant, pre-shift data may be removed from the well/parameter data set for the purposes of constructing the confidence interval. "The reduction in sample size will often be more than offset by the gain in statistical power. More recent measurements may exhibit less variation around the shifted mean value, resulting in a shorter confidence interval" (USEPA, 2009).

Another alternative is to construct confidence bands around the trend line to track progress towards exceeding or meeting a fixed standard. As suggested in the Unified Guidance (Chapter 22), if a trend is present, a 90% confidence band (upper 95% confidence limit) is placed on the linear trend line. If the upper 95% confidence limit on the trend line falls below the GWPS, the well is found to have reduced to levels statistically below the GWPS.

As the discussed in the Unified Guidance, "inferences concerning a linear regression are generally appropriate when two conditions hold: 1) the residuals from the regression are approximately normal or at least reasonably symmetric in distribution; and 2) a plot of residuals versus concentrations indicates a scatter cloud of essentially uniform vertical thickness or width." These conditions are assessed through normal probability plots of the regression residuals and plots of residuals against the predicted concentrations.

#### Data Adjustments Due to Exiting Corrective Action

When analyte/well pairs exit corrective action and return to assessment constituents, the hypothesis testing structure is reversed again. In corrective action mode, compliance point concentrations were presumed to exceed the GWPS, and evidence must be presented to demonstrate regulatory compliance (i.e., UCLs below the GWPS for three consecutive years). With the return to assessment constituents, analyte/well pairs have demonstrated regulatory compliance. The hypothesis testing structure reverts to the assessment monitoring structure where compliance point concentrations are presumed to not exceed the GWPS unless sampling data indicates otherwise (i.e., LCL is above the GWPS). With this reversion in hypothesis, the focus shifts to evaluating concentration changes in the analyte/well pair that would indicate an increase over the GWPS and re-trigger corrective action. For constituents with historical SSLs, earlier concentrations that had previously triggered corrective action are no longer providing useful information regarding the current assessment monitoring hypothesis. Retaining the historical data during the timeframe in which the GWPS was exceeded will result in the regression or confidence interval methods being slower to respond to new increases. As a result, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents.



**Attachment 2**  
**Sanitas Report Output for Prediction Limit Calculations**

**Intrawell Prediction Limit**

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
<b>Groundwater Underdrain - GU-1</b>													
Arsenic (mg/L)	GU-1	0.1154	9/19/2024	0.00243	No	18	-4.913	1.136	0	None	ln(x)	0.0005985	Param Intra 1 of 2
Barium (mg/L)	GU-1	1.52	9/19/2024	0.195	No	18	0.7272	0.3274	0	None	No	0.0005985	Param Intra 1 of 2
Cobalt (mg/L)	GU-1	0.02268	9/19/2024	0.00205	No	18	-5.616	0.7552	0	None	ln(x)	0.0005985	Param Intra 1 of 2
Lead (mg/L)	GU-1	0.000943	9/19/2024	0.00025ND	No	15	n/a	n/a	80	n/a	n/a	0.007649	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GU-1	0.07035	9/19/2024	0.0424	No	18	0.04862	0.008971	0	None	No	0.0005985	Param Intra 1 of 2
Zinc (mg/L)	GU-1	0.02	9/19/2024	0.0116J	No	17	n/a	n/a	65	n/a	n/a	0.005984	NP Intra (NDs) 1 of 2
<b>Groundwater Underdrain - GU-L</b>													
Arsenic (mg/L)	GU-L	0.0069	9/19/2024	0.00104J	No	15	n/a	n/a	47	n/a	n/a	0.007649	NP Intra (normality) 1 of 2
Barium (mg/L)	GU-L	0.1122	9/19/2024	0.00831	No	14	0.04751	0.02485	0	None	No	0.0005985	Param Intra 1 of 2
Cobalt (mg/L)	GU-L	0.0129	9/19/2024	0.00025ND	No	15	n/a	n/a	7	n/a	n/a	0.007649	NP Intra (normality) 1 of 2
Nickel (mg/L)	GU-L	0.009648	9/19/2024	0.0025ND	No	15	0.00387	0.002272	27	Kaplan-Meier	No	0.0005985	Param Intra 1 of 2
<b>Groundwater Underdrain - GU-O</b>													
Arsenic (mg/L)	GU-O	0.008109	9/19/2024	0.00171J	No	5	0.003124	0.00085	0	None	No	0.0005985	Param Intra 1 of 2
Barium (mg/L)	GU-O	0.7554	9/19/2024	0.315	No	5	0.2968	0.07815	0	None	No	0.0005985	Param Intra 1 of 2
Cobalt (mg/L)	GU-O	0.002654	9/19/2024	0.00025ND	No	5	0.0005896	0.000352	0	None	No	0.0005985	Param Intra 1 of 2
<b>Groundwater Underdrain - GU-P</b>													
Arsenic (mg/L)	GU-P	0.006706	9/19/2024	0.00211	No	4	0.002273	0.000587	0	None	No	0.0005985	Param Intra 1 of 2
Barium (mg/L)	GU-P	0.298	9/19/2024	0.303	Yes	4	n/a	n/a	0	n/a	n/a	0.06667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GU-P	0.002872	9/19/2024	0.000427J	No	4	0.00113	0.000231	0	None	No	0.0005985	Param Intra 1 of 2
Lead (mg/L)	GU-P	0.000526	9/19/2024	0.00025ND	No	4	n/a	n/a	75	n/a	n/a	0.06667	NP Intra (NDs) 1 of 2
<b>Detection Monitoring Location - MW-501</b>													
Arsenic (mg/L)	MW-501	0.02857	9/17/2024	0.001ND	No	5	0.004666	0.004074	20	Kaplan-Meier	No	0.0005985	Param Intra 1 of 2
Barium (mg/L)	MW-501	0.09243	9/17/2024	0.018	No	5	0.04696	0.007749	0	None	No	0.0005985	Param Intra 1 of 2
Cadmium (mg/L)	MW-501	0.0004318	9/17/2024	0.000314	No	5	0.0001014	5.63E-05	40	Kaplan-Meier	No	0.0005985	Param Intra 1 of 2
Cobalt (mg/L)	MW-501	0.009624	9/17/2024	0.0131	Yes	5	0.0048	0.000822	0	None	No	0.0005985	Param Intra 1 of 2
Lead (mg/L)	MW-501	0.00234	9/17/2024	0.00025ND	No	5	n/a	n/a	60	n/a	n/a	0.05119	NP Intra (NDs) 1 of 2
Nickel (mg/L)	MW-501	0.01664	9/17/2024	0.0415	Yes	5	0.008006	0.001471	0	None	No	0.0005985	Param Intra 1 of 2

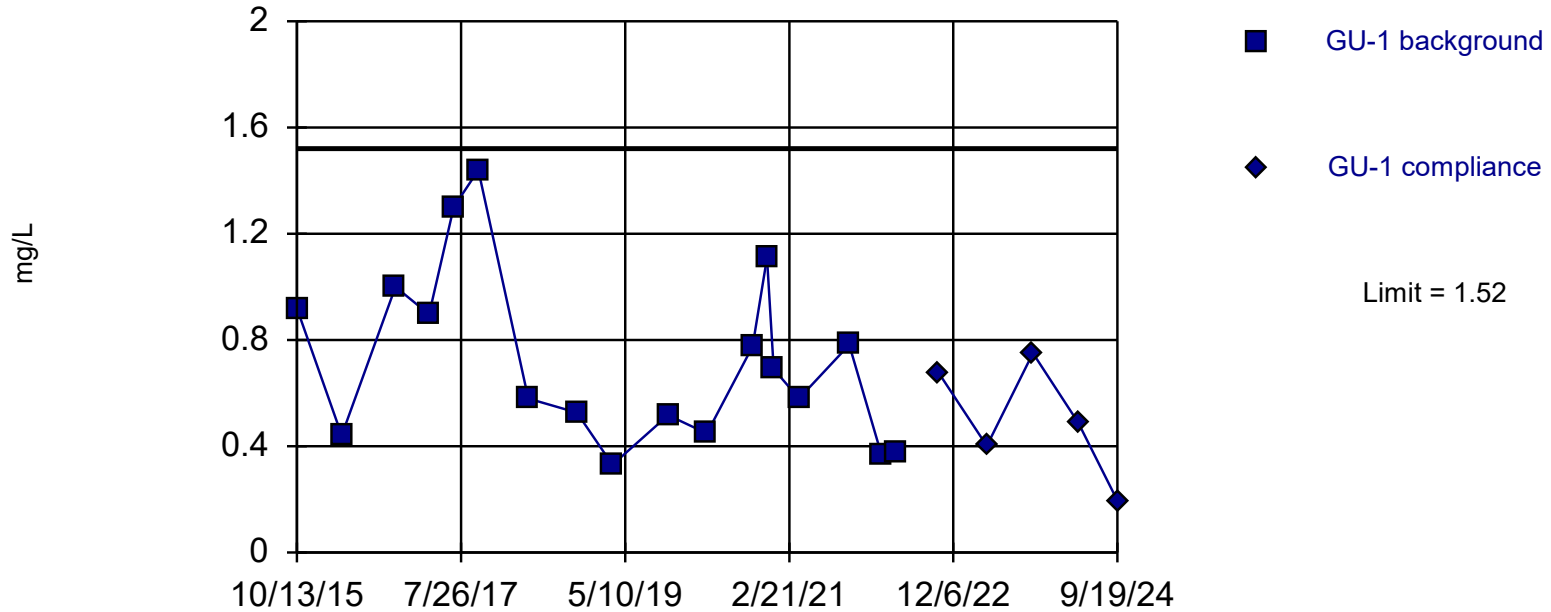
Notes:

- Intrawell background for GU-1 and GU-L consists of the Oct. 2015 to Apr. 2022 data at these locations. As reported in the 2024 Spring Statistical Report (HDR, 2024b), data collected before Oct. 2015 were removed due to elevated reporting limits.
- Intrawell background for GU-O consists of the Apr. 2018 to Jul. 2022 data at this location.
- Intrawell background for GU-P consists of the Feb. 2022 to Oct. 2022 data at this location.
- Intrawell background for MW-501 consists of the Mar. 2021 to Apr. 2022 data at this location.
- Note that background data set adjustments were incorporated in accordance with Section 3 of the Fall 2024 Statistical Evaluation memo.



Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric

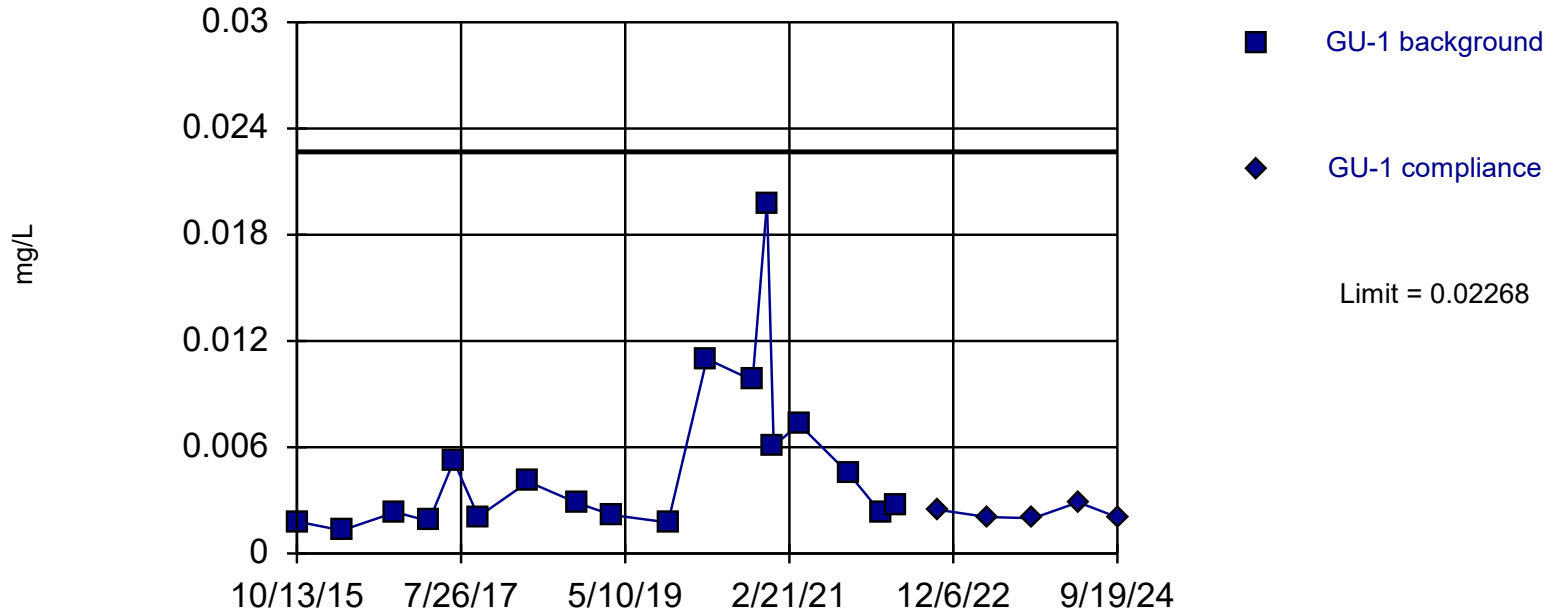


Background Data Summary: Mean=0.7272, Std. Dev.=0.3274, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9235, critical = 0.858. Kappa = 2.423 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Barium Analysis Run 1/29/2025 5:24 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



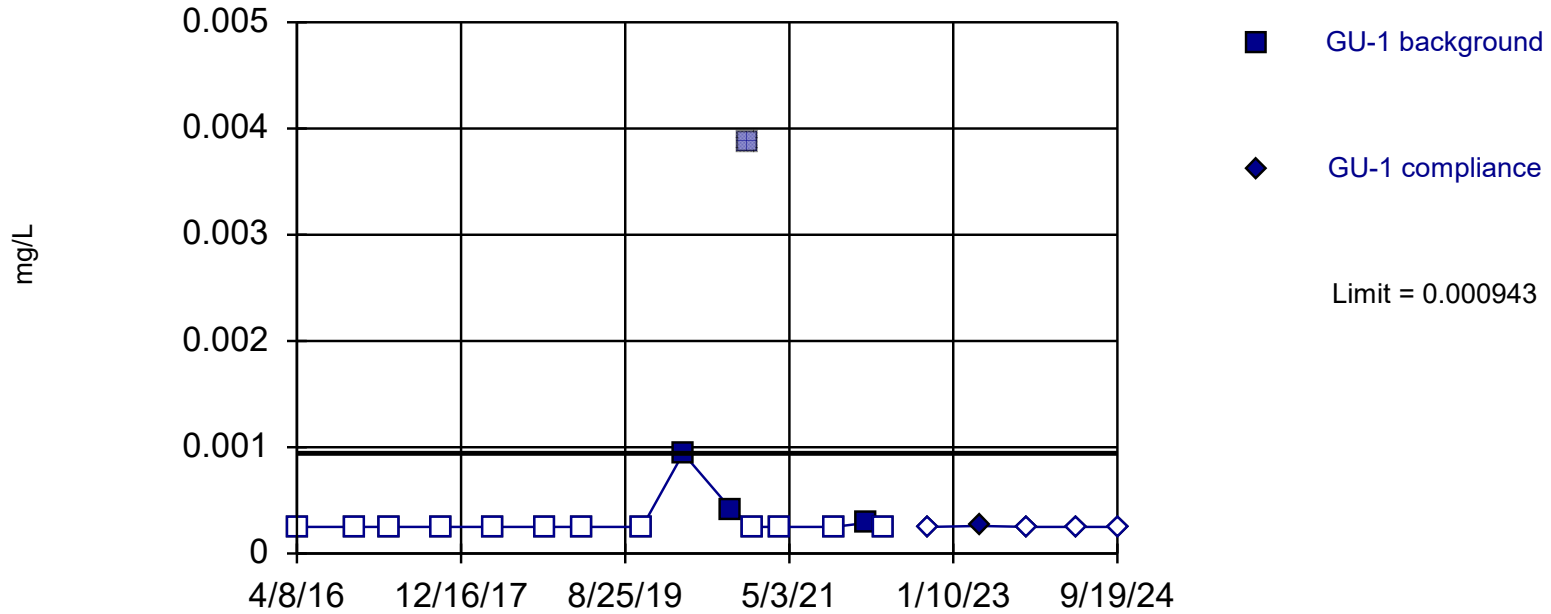
Background Data Summary (based on natural log transformation): Mean=-5.616, Std. Dev.=0.7552, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.858. Kappa = 2.423 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Cobalt    Analysis Run 1/29/2025 5:24 PM  
Linn County SWAL    Client: Foth    Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Non-parametric



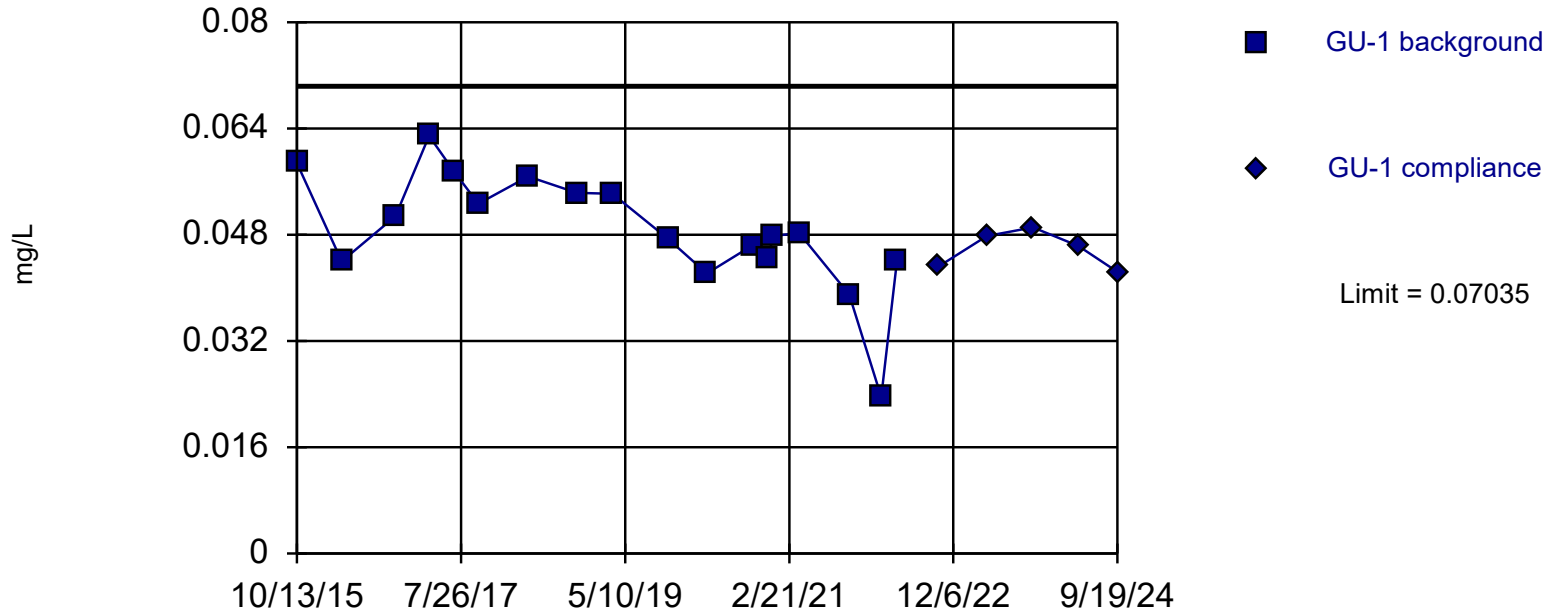
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.00765. Individual comparison alpha = 0.007649 (1 of 2).

Constituent: Lead Analysis Run 1/29/2025 5:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Detection Monitoring Intrawell Parametric



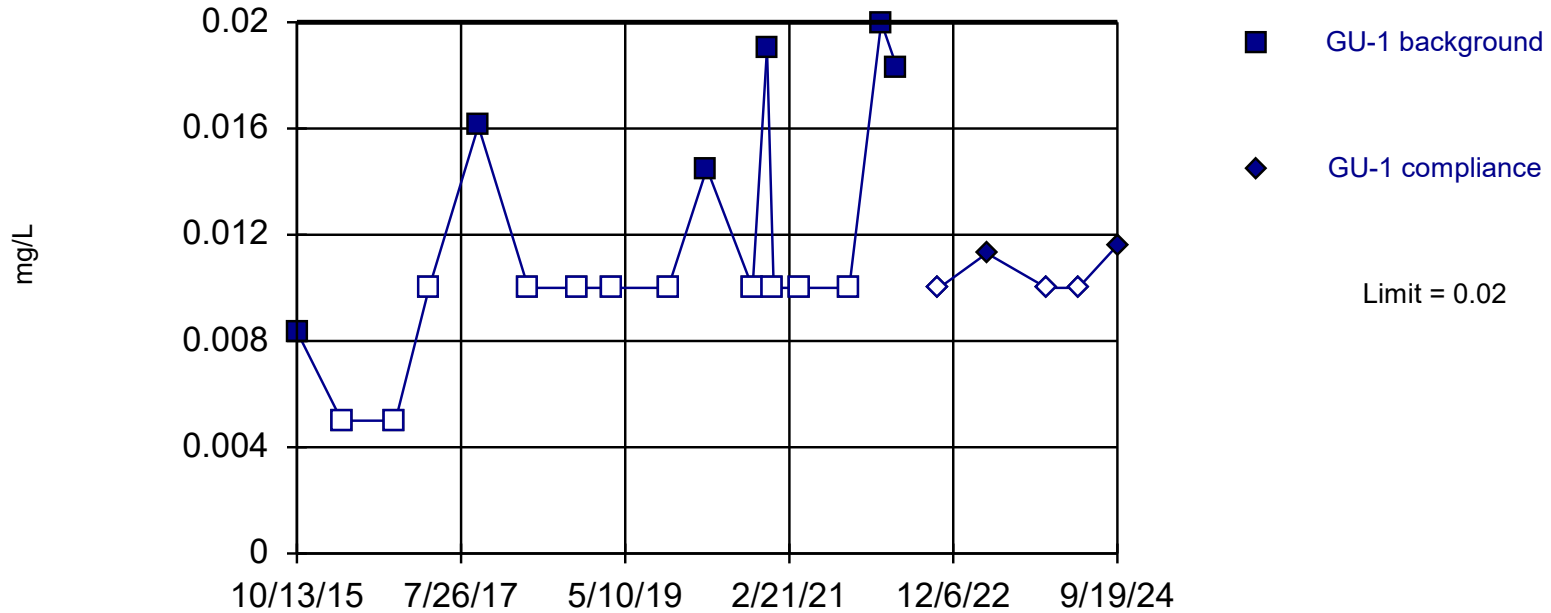
Background Data Summary: Mean=0.04862, Std. Dev.=0.008971, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9311, critical = 0.858. Kappa = 2.423 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Nickel Analysis Run 1/29/2025 5:24 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction - Detection Monitoring

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 = 0.005984 (1 of 2).

Constituent: Zinc Analysis Run 1/29/2025 5:25 PM

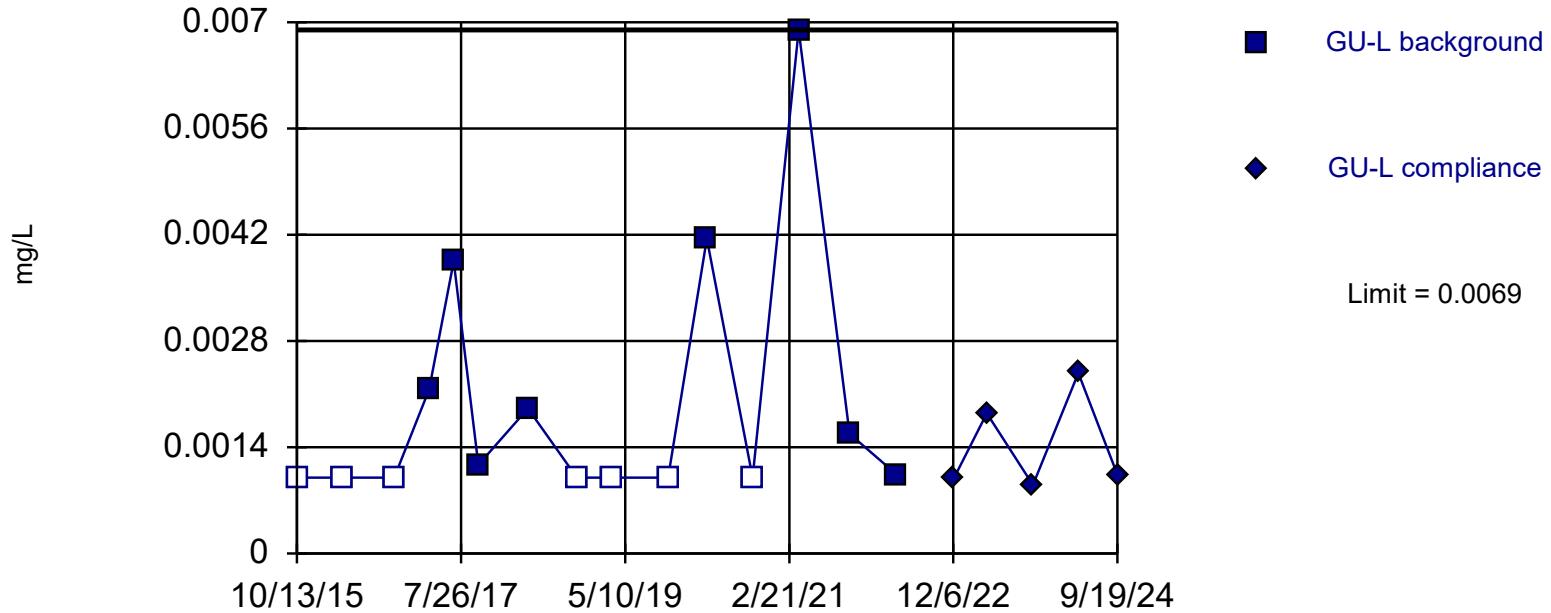
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Non-parametric



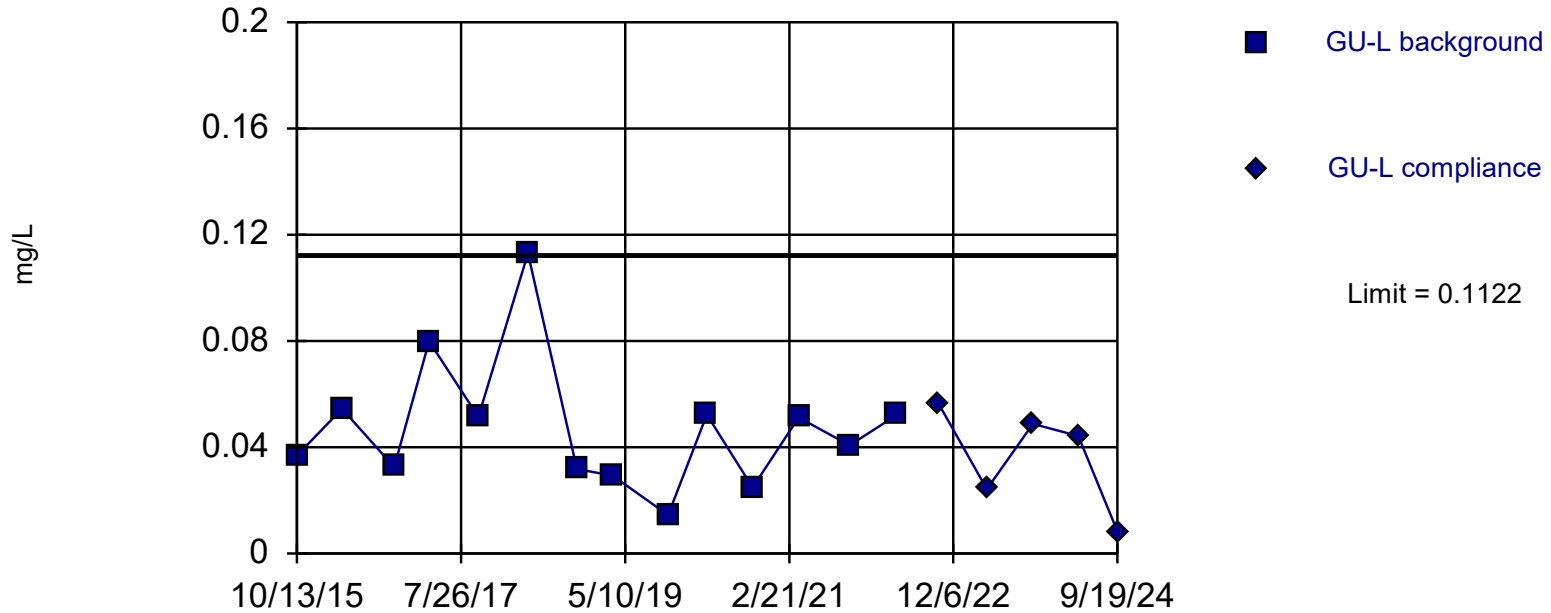
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.00765. Individual comparison alpha = 0.007649 (1 of 2).

Constituent: Arsenic Analysis Run 1/29/2025 5:16 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



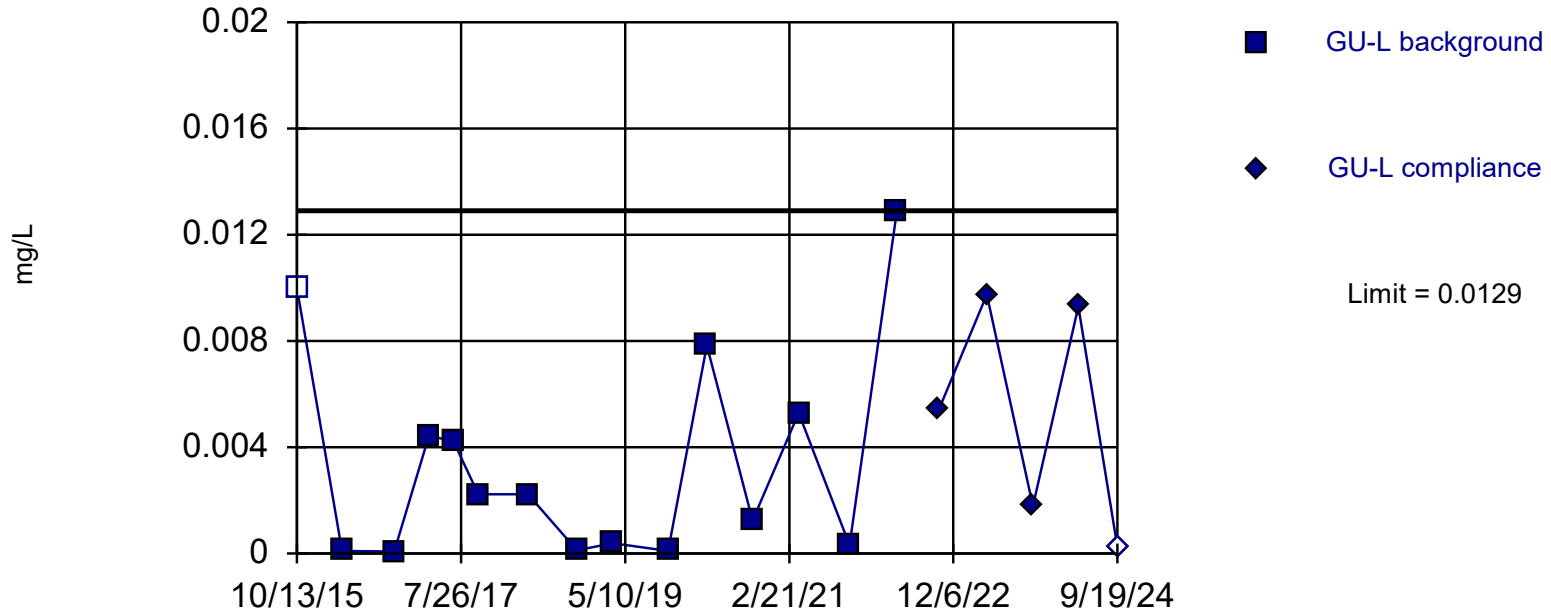
Background Data Summary: Mean=0.04751, Std. Dev.=0.02485, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8716, critical = 0.825. Kappa = 2.602 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Barium Analysis Run 1/29/2025 5:16 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell 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 15 background values. 6.667% NDs. Well-constituent pair annual alpha = 0.00765. Individual comparison alpha = 0.007649 (1 of 2).

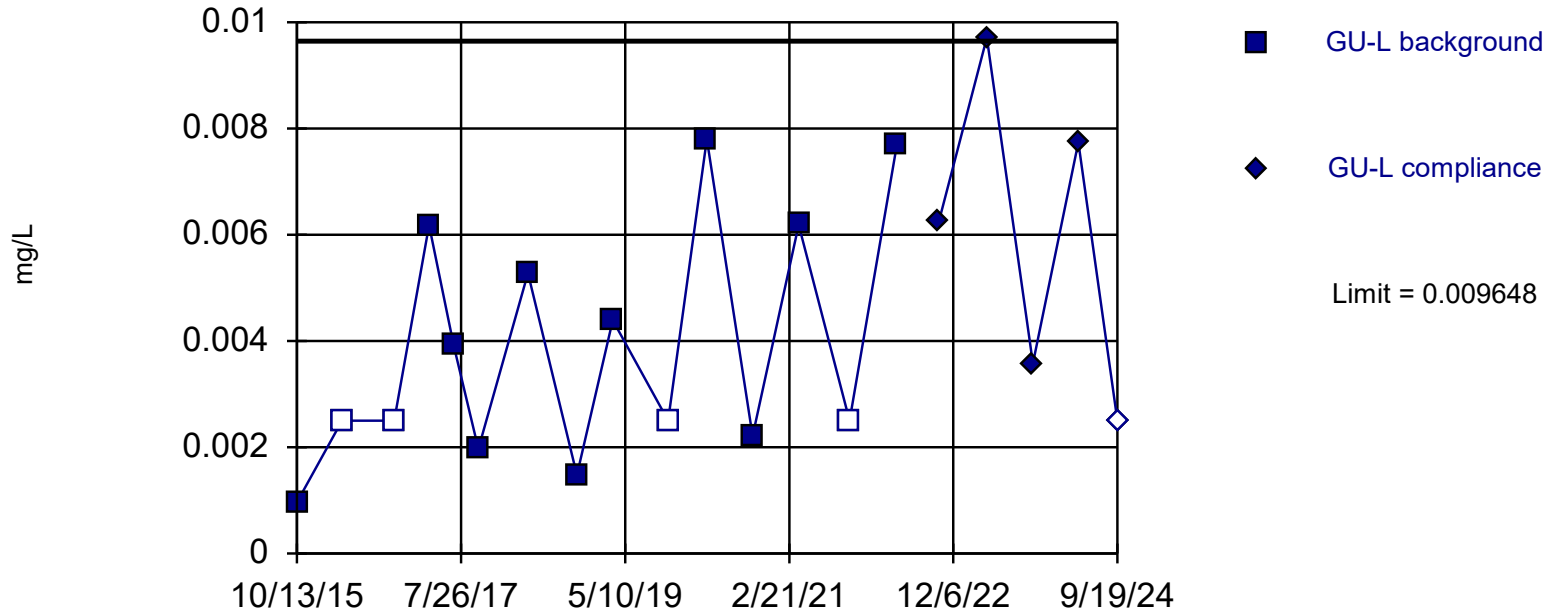
Constituent: Cobalt Analysis Run 1/29/2025 5:20 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Parametric

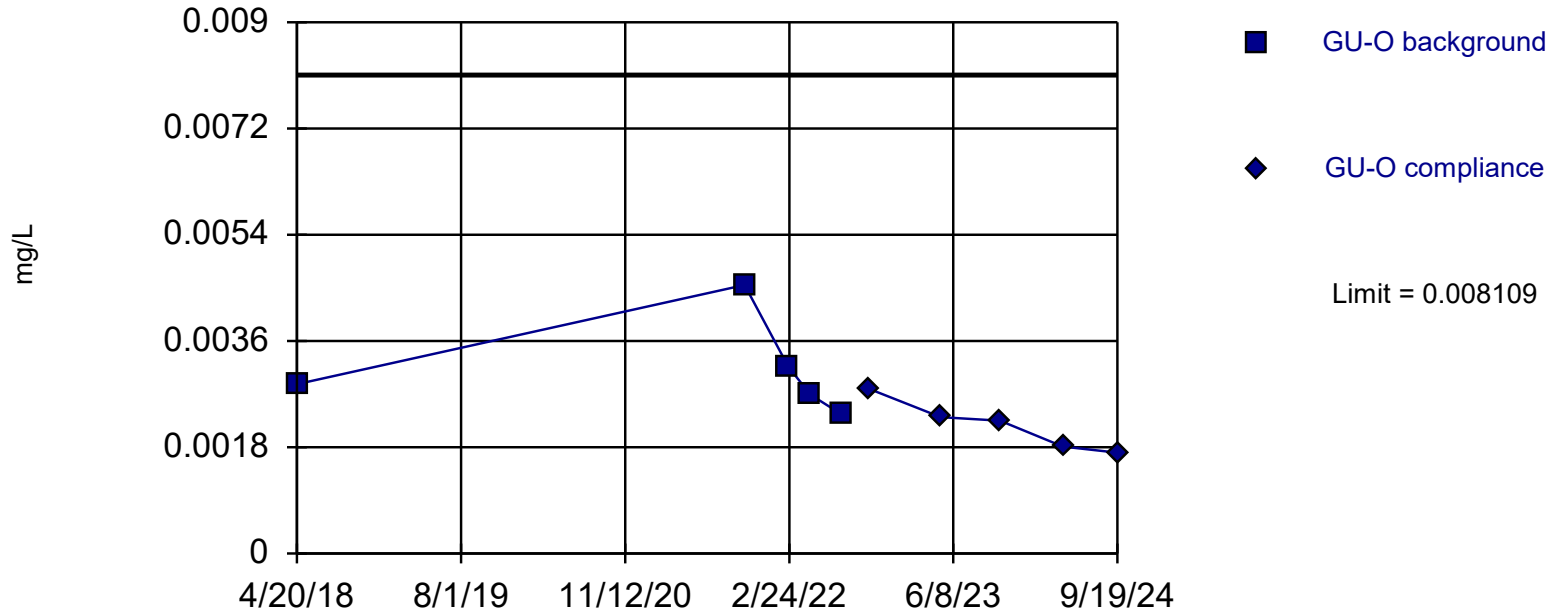


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00387, Std. Dev.=0.002272, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.835. Kappa = 2.543 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Nickel Analysis Run 1/29/2025 5:16 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Detection Monitoring Intrawell Parametric

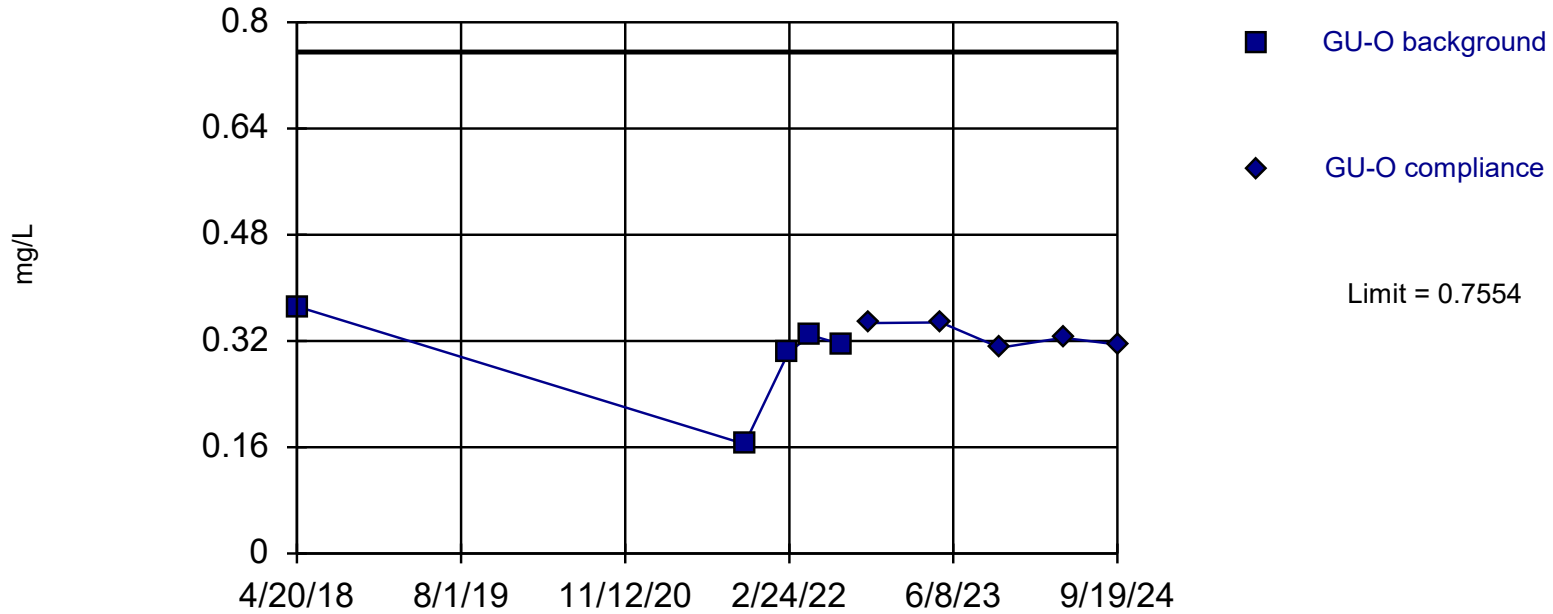


Background Data Summary: Mean=0.003124, Std. Dev.=0.0008495, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8599, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Arsenic Analysis Run 1/29/2025 5:14 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Detection Monitoring Intrawell Parametric



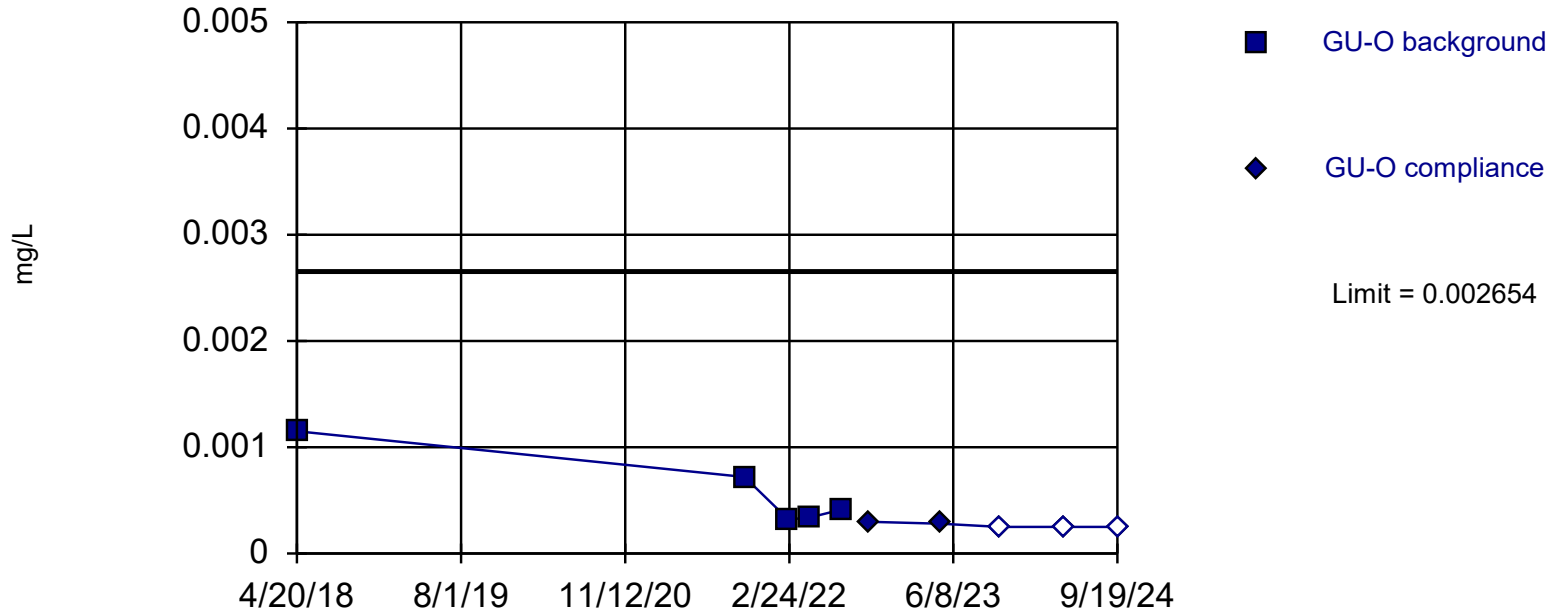
Background Data Summary: Mean=0.2968, Std. Dev.=0.07815, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Barium Analysis Run 1/29/2025 5:14 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Parametric



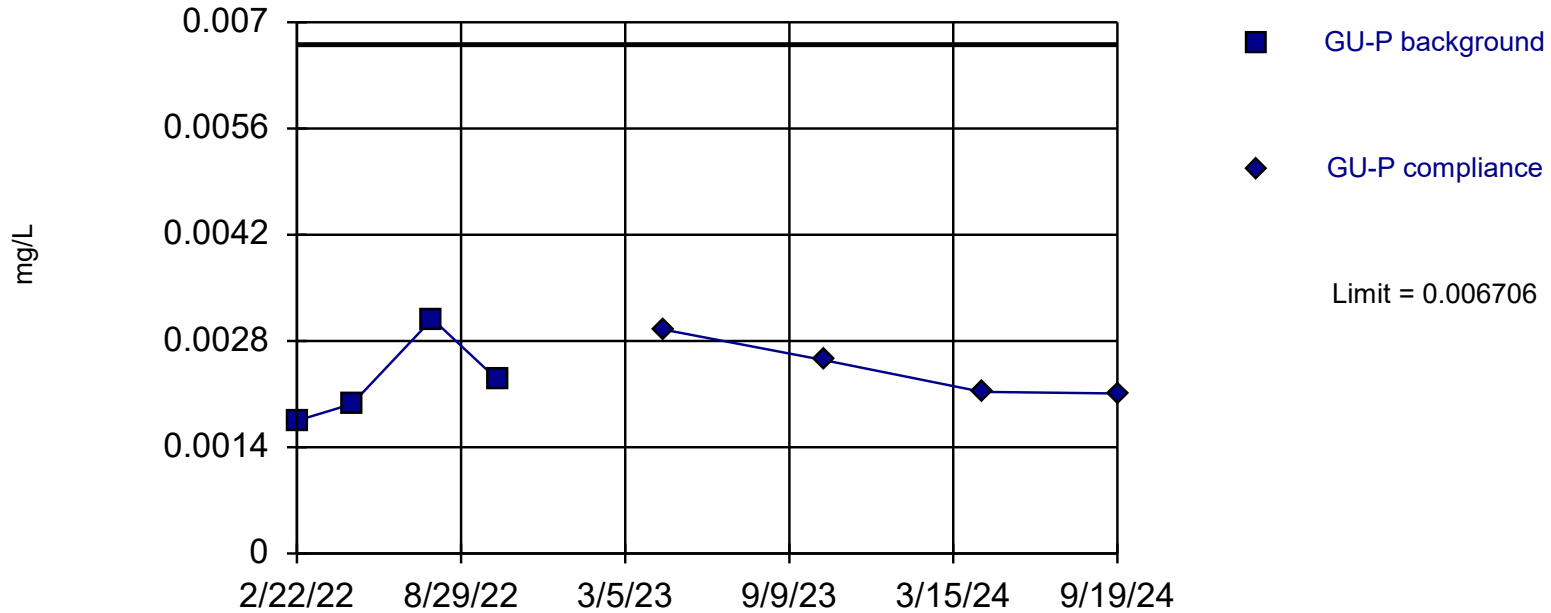
Background Data Summary: Mean=0.0005896, Std. Dev.=0.0003518, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8345, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Cobalt Analysis Run 1/29/2025 5:14 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



Background Data Summary: Mean=0.002273, Std. Dev.=0.0005868, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9163, critical = 0.687. Kappa = 7.556 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

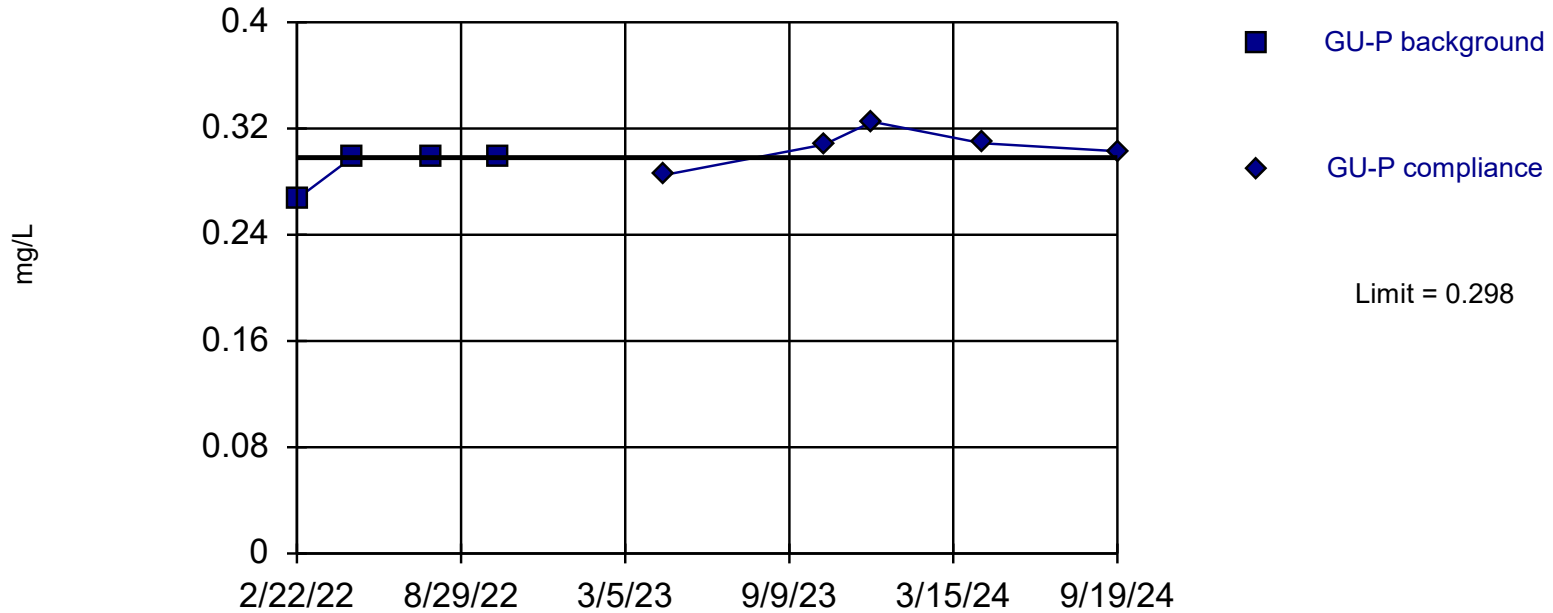
Constituent: Arsenic Analysis Run 1/29/2025 5:11 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Exceeds Limit

## Prediction Limit - Detection Monitoring

Intrawell Non-parametric



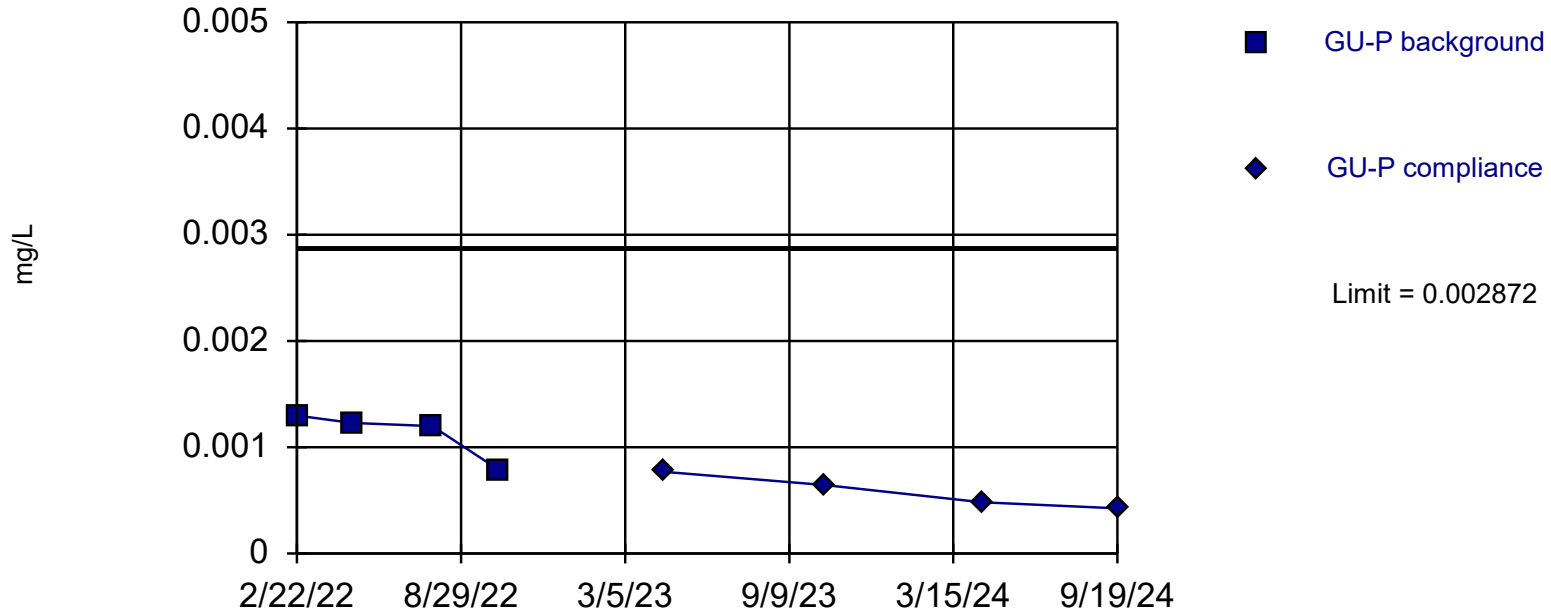
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 4 background values. Well-constituent pair annual alpha = 0.06667 (1 of 2).

Constituent: Barium Analysis Run 1/29/2025 5:11 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



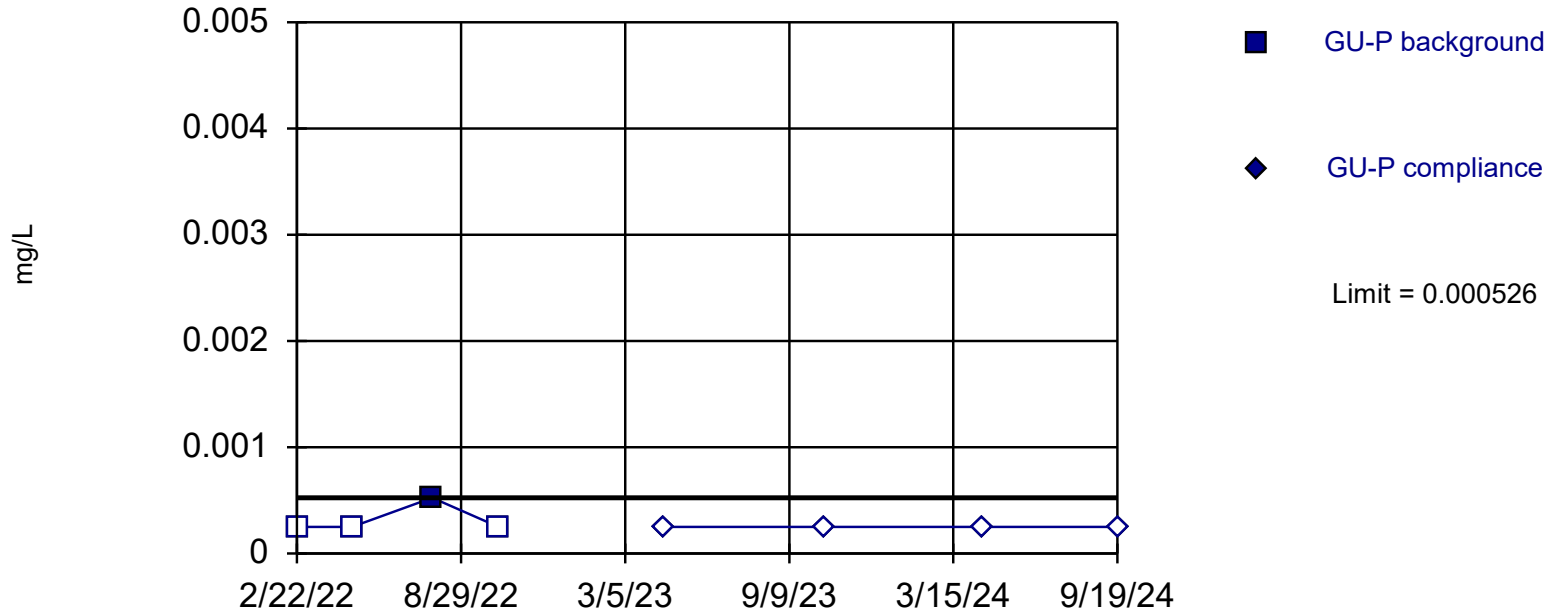
Background Data Summary: Mean=0.00113, Std. Dev.=0.0002305, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7929, critical = 0.687. Kappa = 7.556 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Cobalt Analysis Run 1/29/2025 5:11 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

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 = 0.06667 (1 of 2).

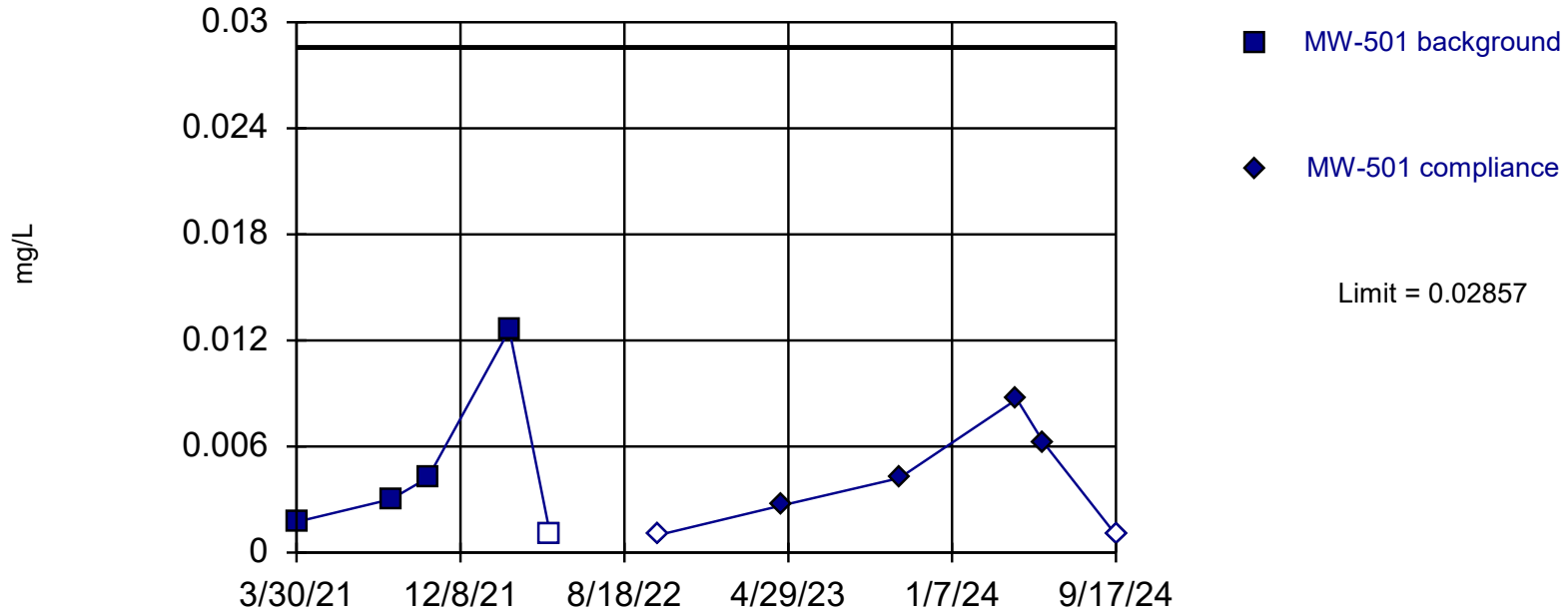
Constituent: Lead Analysis Run 1/29/2025 5:11 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Parametric



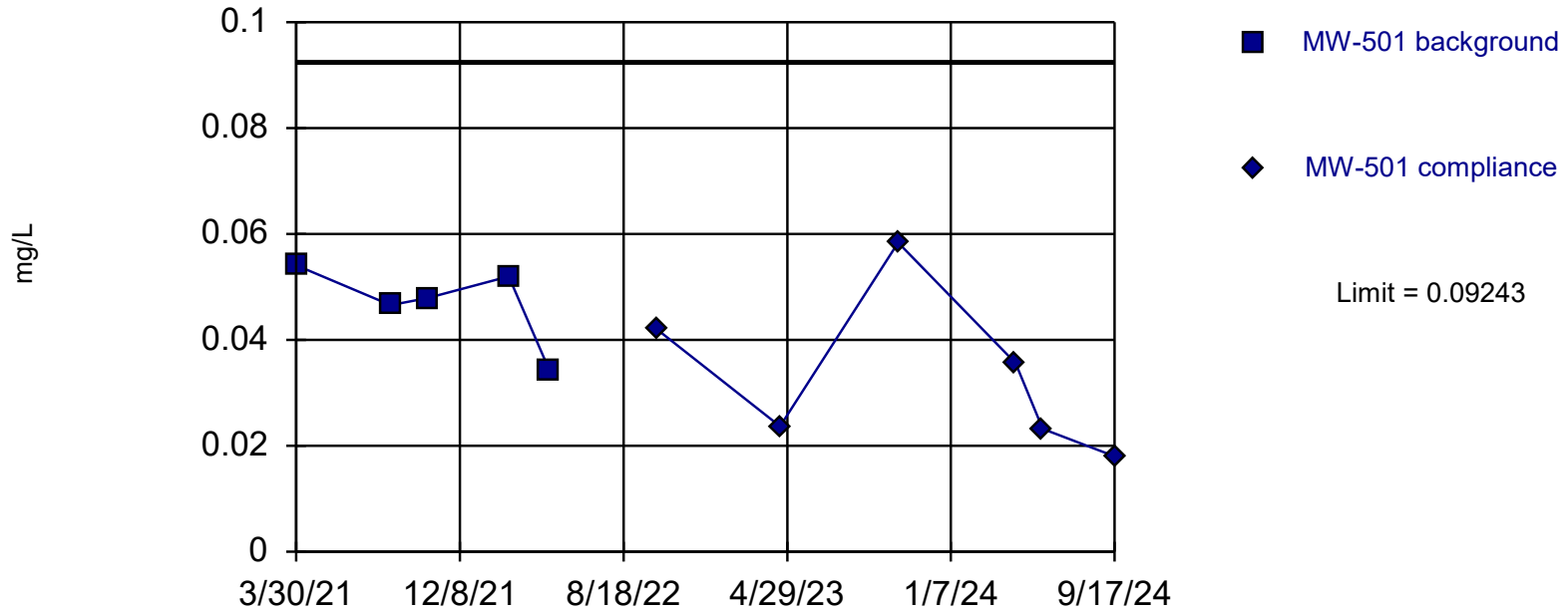
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004666, Std. Dev.=0.004074, n=5, 20% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7871, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2,  
event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Arsenic Analysis Run 1/29/2025 5:09 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



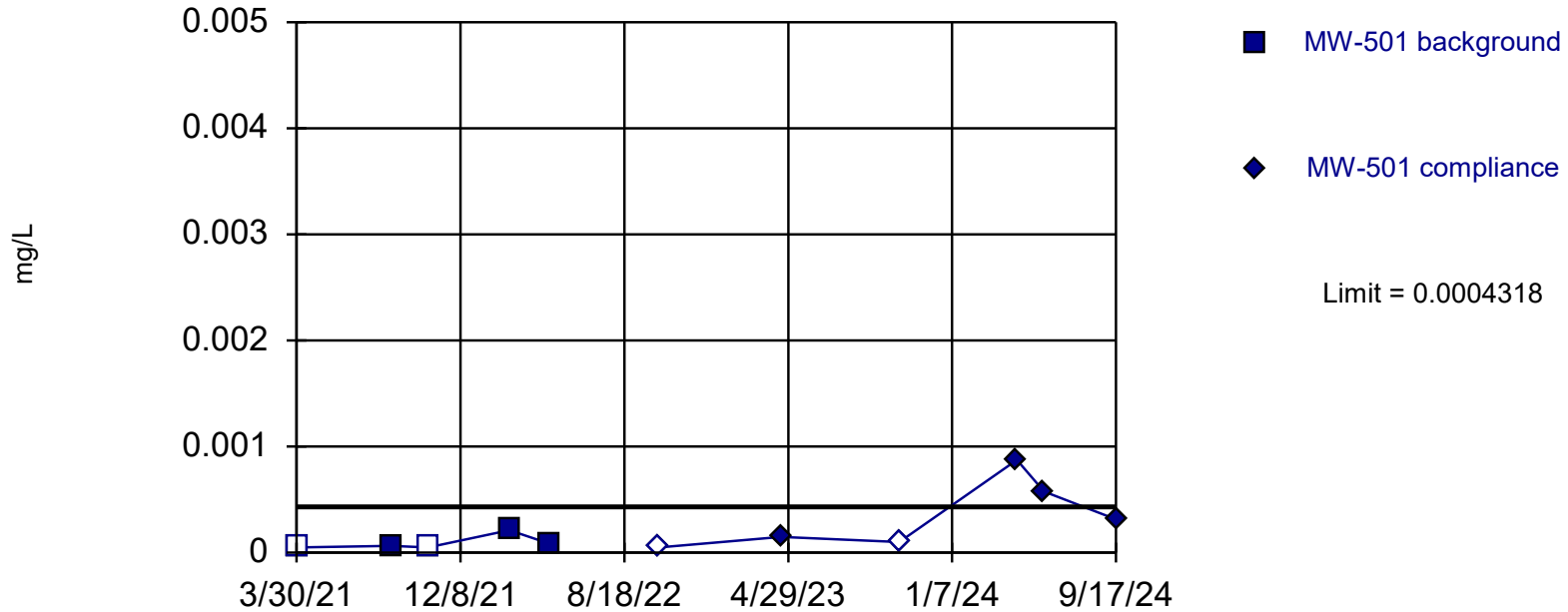
Background Data Summary: Mean=0.04696, Std. Dev.=0.007749, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Barium Analysis Run 1/29/2025 5:09 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Parametric



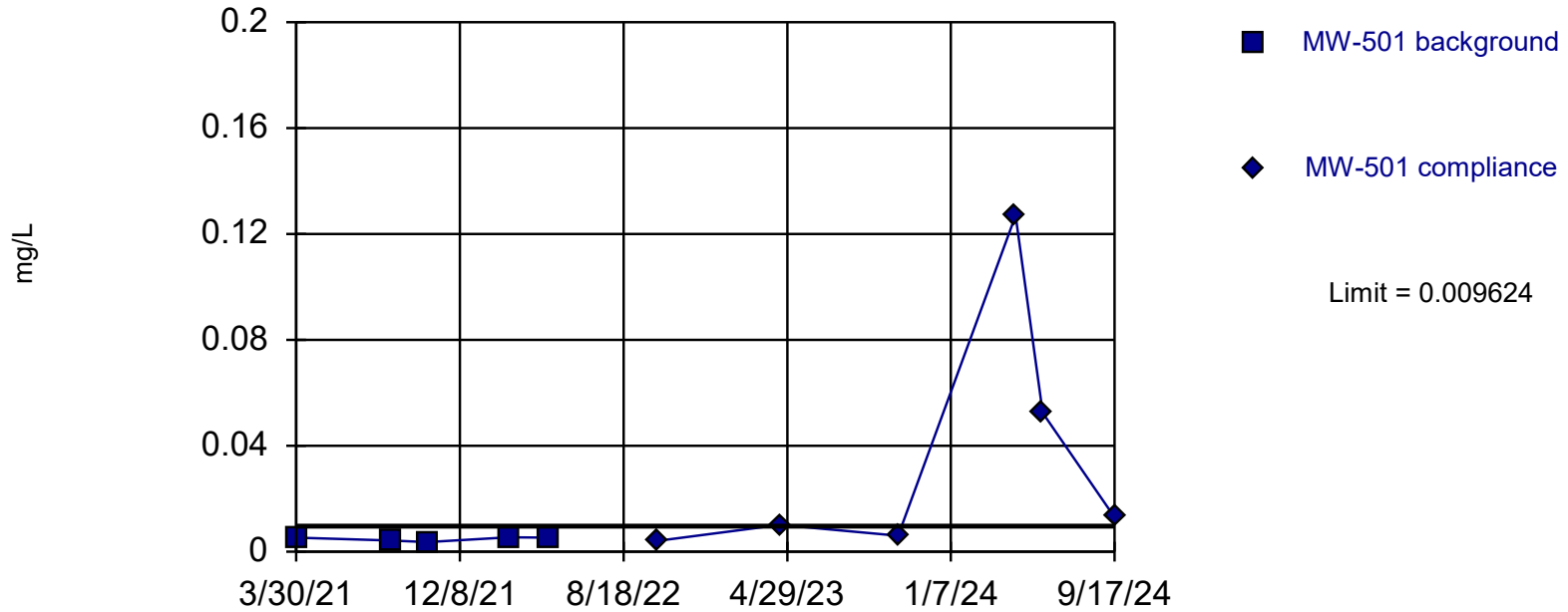
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0001014, Std. Dev.=0.00005632, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7089, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Cadmium Analysis Run 1/29/2025 3:57 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit

## Prediction Limit - Detection Monitoring Intrawell Parametric



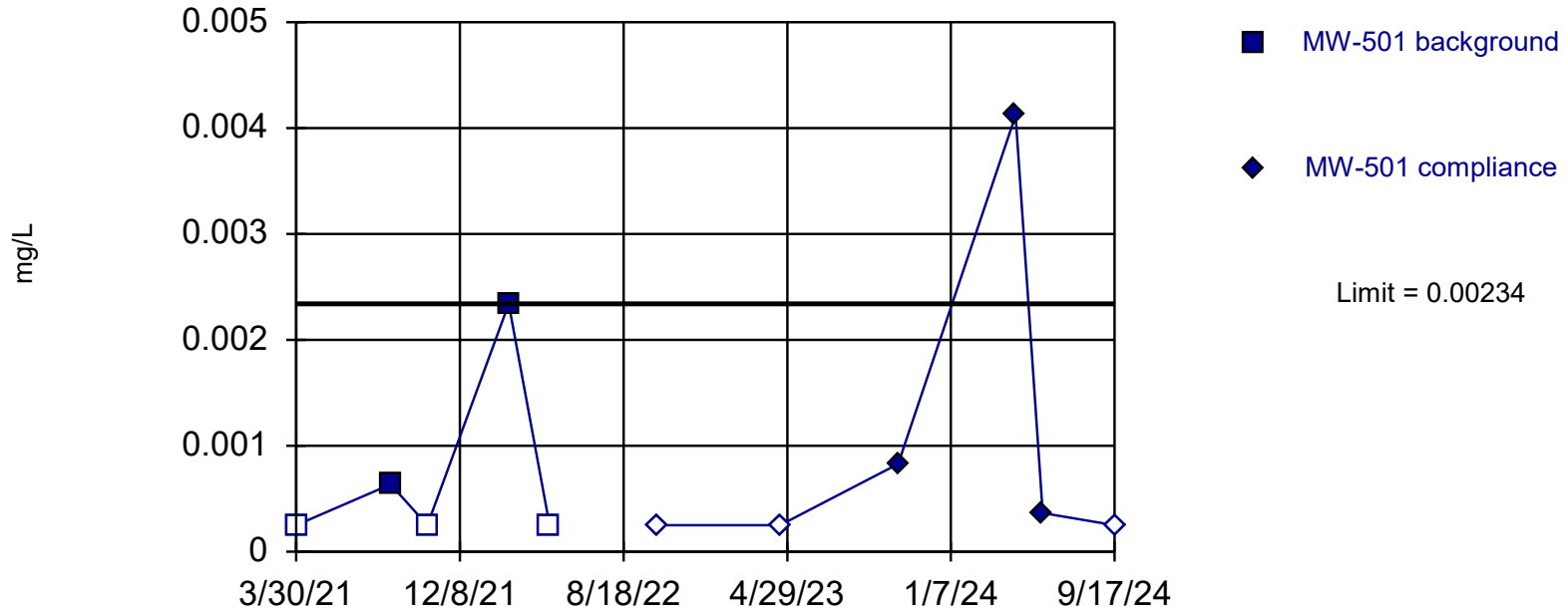
Background Data Summary: Mean=0.0048, Std. Dev.=0.0008221, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8388, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Cobalt Analysis Run 1/29/2025 5:09 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.05119 (1 of 2).

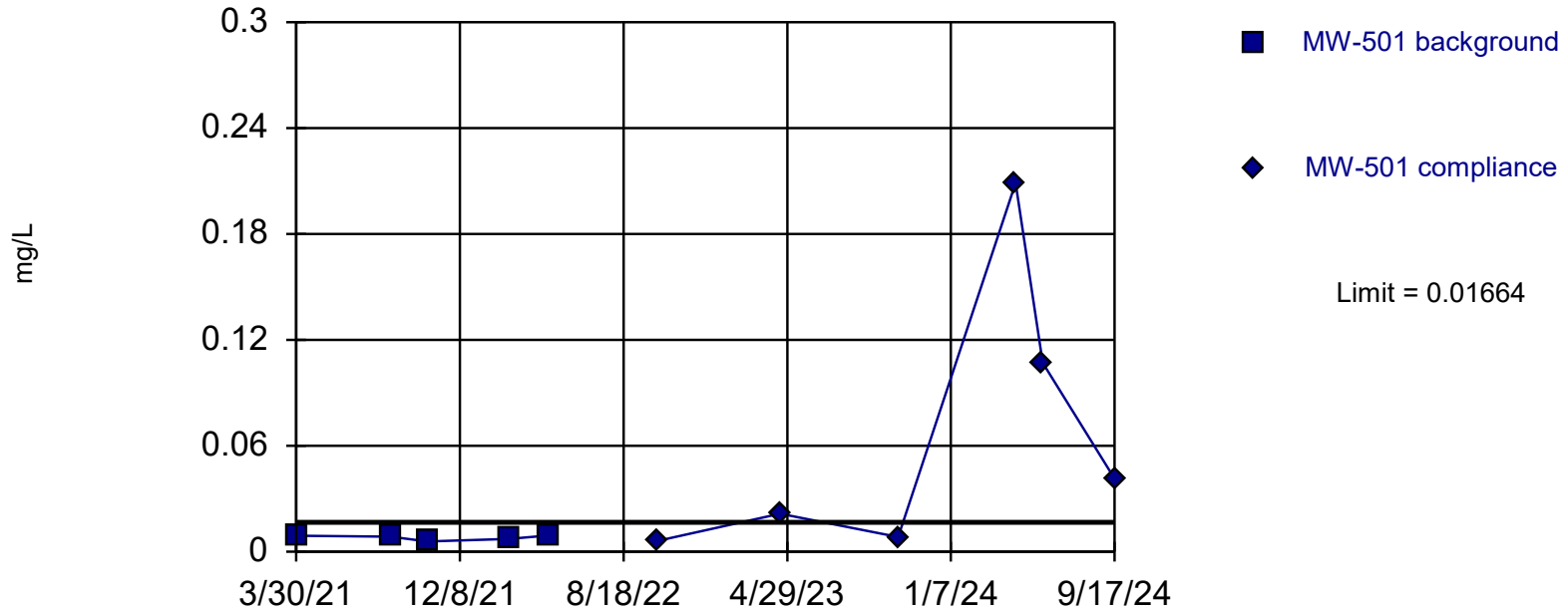
Constituent: Lead Analysis Run 1/29/2025 5:09 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Exceeds Limit

### Prediction Limit - Detection Monitoring Intrawell Parametric



Background Data Summary: Mean=0.008006, Std. Dev.=0.001471, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8857, critical = 0.686. Kappa = 5.868 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.0005985.

Constituent: Nickel Analysis Run 1/29/2025 5:09 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

**Interwell Prediction Limit**

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
<b>Detection Monitoring Locations</b>													
Barium (mg/L)	GU-P	0.575	9/19/2024	0.303	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Antimony (mg/L)	MW-501	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-501	0.005128	9/17/2024	0.001ND	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Barium (mg/L)	MW-501	0.575	9/17/2024	0.018	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-501	0.000139	9/17/2024	0.000314	Yes	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-501	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-501	0.00288	9/17/2024	0.0131	Yes	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Copper (mg/L)	MW-501	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-501	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-501	0.00561	9/17/2024	0.0415	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-501	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-501	0.02	9/17/2024	0.0255	Yes	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
<b>Assessment Monitoring Locations</b>													
Antimony (mg/L)	MW-15	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-22	0.0023	9/18/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-24	0.0023	9/18/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-26A	0.0023	9/18/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-300	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-302R	0.0023	9/18/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-303	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-304R	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-305	0.0023	9/18/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-15	0.005128	9/17/2024	0.00128J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-22	0.005128	9/18/2024	0.00387	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-24	0.005128	9/18/2024	0.000589J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-26A	0.005128	9/18/2024	0.01	Yes	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-300	0.005128	9/17/2024	0.00059J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-302R	0.005128	9/18/2024	0.000793J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-303	0.005128	9/17/2024	0.001ND	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-304R	0.005128	9/17/2024	0.000626J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-305	0.005128	9/18/2024	0.001ND	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Barium (mg/L)	MW-15	0.575	9/17/2024	0.0817	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-22	0.575	9/18/2024	1.1	Yes	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-24	0.575	9/18/2024	0.0484	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-26A	0.575	9/18/2024	0.656	Yes	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-300	0.575	9/17/2024	0.205	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-302R	0.575	9/18/2024	0.121	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-303	0.575	9/17/2024	0.0176	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-304R	0.575	9/17/2024	0.0412	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-305	0.575	9/18/2024	0.0426	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-15	0.000139	9/17/2024	0.000181J	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-22	0.000139	9/18/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-24	0.000139	9/18/2024	0.000168J	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-26A	0.000139	9/18/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-300	0.000139	9/17/2024	0.000295	Yes	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-302R	0.000139	9/18/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-303	0.000139	9/17/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2

**Interwell Prediction Limit**

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Cadmium (mg/L)	MW-304R	0.000139	9/17/2024	0.000117J	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-305	0.000139	9/18/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-15	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-22	0.0134	9/18/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-24	0.0134	9/18/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-26A	0.0134	9/18/2024	0.00158J	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-300	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-302R	0.0134	9/18/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-303	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-304R	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-305	0.0134	9/18/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-15	0.00288	9/17/2024	0.00306	Yes	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-22	0.00288	9/18/2024	0.000335J	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-24	0.00288	9/18/2024	0.00119	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-26A	0.00288	9/18/2024	0.0731	Yes	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-300	0.00288	9/17/2024	0.00288	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-302R	0.00288	9/18/2024	0.000333J	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-303	0.00288	9/17/2024	0.000182J	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-304R	0.00288	9/17/2024	0.0068	Yes	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-305	0.00288	9/18/2024	0.0017	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Copper (mg/L)	MW-15	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-22	0.00792	9/18/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-24	0.00792	9/18/2024	0.00199J	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-26A	0.00792	9/18/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-300	0.00792	9/17/2024	0.00197J	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-302R	0.00792	9/18/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-303	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-304R	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-305	0.00792	9/18/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-15	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-22	0.00704	9/18/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-24	0.00704	9/18/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-26A	0.00704	9/18/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-300	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-302R	0.00704	9/18/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-303	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-304R	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-305	0.00704	9/18/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-15	0.00561	9/17/2024	0.00953	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-22	0.00561	9/18/2024	0.0352	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-24	0.00561	9/18/2024	0.0234	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-26A	0.00561	9/18/2024	0.0489	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-300	0.00561	9/17/2024	0.00785	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-302R	0.00561	9/18/2024	0.0025ND	No	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-303	0.00561	9/17/2024	0.00656	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-304R	0.00561	9/17/2024	0.0077	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-305	0.00561	9/18/2024	0.00302J	No	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-15	0.00796	9/17/2024	0.00142J	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2

**Interwell Prediction Limit**

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Vanadium (mg/L)	MW-22	0.00796	9/18/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-24	0.00796	9/18/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-26A	0.00796	9/18/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-300	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-302R	0.00796	9/18/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-303	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-304R	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-305	0.00796	9/18/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-15	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-22	0.02	9/18/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-24	0.02	9/18/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-26A	0.02	9/18/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-300	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-302R	0.02	9/18/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-303	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-304R	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-305	0.02	9/18/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>													
Antimony (mg/L)	MW-18	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-19	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-20	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-301	0.0023	9/17/2024	0.001ND	No	35	n/a	n/a	57	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-18	0.005128	9/17/2024	0.000987J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-19	0.005128	9/17/2024	0.000918J	No	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-20	0.005128	9/17/2024	0.00554	Yes	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Arsenic (mg/L)	MW-301	0.005128	9/17/2024	0.00868	Yes	36	-6.502	0.5685	11	None	ln(x)	0.0005985	Param Inter 1 of 2
Barium (mg/L)	MW-18	0.575	9/17/2024	0.0753	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-19	0.575	9/17/2024	0.0417	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-20	0.575	9/17/2024	1.24	Yes	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-301	0.575	9/17/2024	0.0724	No	36	n/a	n/a	0	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-18	0.000139	9/17/2024	0.000181J	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-19	0.000139	9/17/2024	0.000138J	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-20	0.000139	9/17/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-301	0.000139	9/17/2024	0.0001ND	No	23	n/a	n/a	87	n/a	n/a	0.00311	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-18	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-19	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-20	0.0134	9/17/2024	0.00135J	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-301	0.0134	9/17/2024	0.0025ND	No	36	n/a	n/a	83	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-18	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-19	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-20	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-301	0.00792	9/17/2024	0.0025ND	No	33	n/a	n/a	70	n/a	n/a	0.001617	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-18	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-19	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-20	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-301	0.00704	9/17/2024	0.00025ND	No	36	n/a	n/a	56	n/a	n/a	0.001369	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-18	0.00561	9/17/2024	0.0227	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-19	0.00561	9/17/2024	0.0233	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2

### Interwell Prediction Limit

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Nickel (mg/L)	MW-20	0.00561	9/17/2024	0.0215	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-301	0.00561	9/17/2024	0.011	Yes	34	n/a	n/a	71	n/a	n/a	0.001524	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-18	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-19	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-20	0.00796	9/17/2024	0.00324J	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-301	0.00796	9/17/2024	0.0025ND	No	35	n/a	n/a	74	n/a	n/a	0.001432	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-18	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-19	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-20	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-301	0.02	9/17/2024	0.01ND	No	32	n/a	n/a	84	n/a	n/a	0.001709	NP Inter (NDs) 1 of 2
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>													
Cobalt (mg/L)	MW-29	0.00288	9/18/2024	0.000635	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-30	0.00288	9/18/2024	0.00074	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-306	0.00288	9/18/2024	0.00158	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-307A	0.00288	9/18/2024	0.00263	No	36	n/a	n/a	22	n/a	n/a	0.001369	NP Inter (normality) 1 of 2

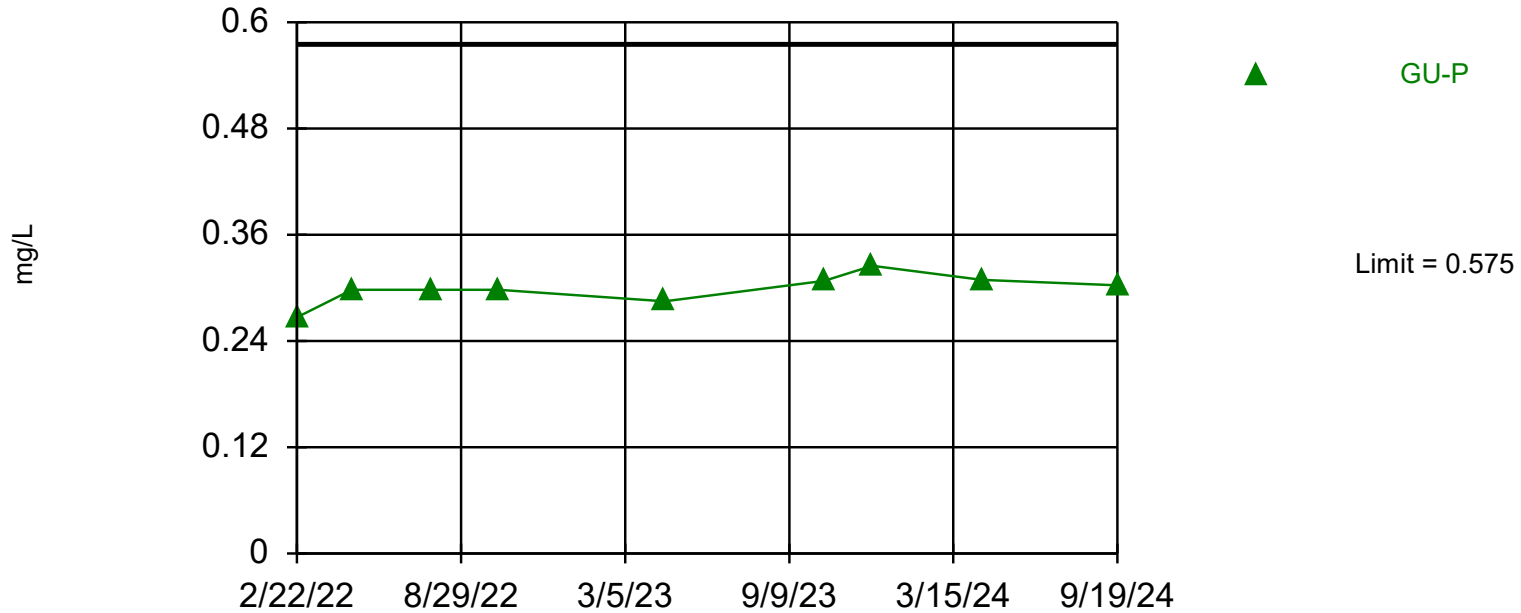
**Notes:**

- Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-9AR and MW-201B data set.
- Note that background and downgradient data set adjustments were incorporated in accordance with Section 3 of the Fall 2024 Statistical Evaluation memo. Of particular note, only data collected with low-flow sampling procedures (i.e. Apr. 2015 through current) were utilized for statistical comparisons. Data collected using high-volume sampling techniques (i.e. before Apr. 2015) were removed.

Within Limit

## Prediction Limit - Detection Monitoring

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 36 background values. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

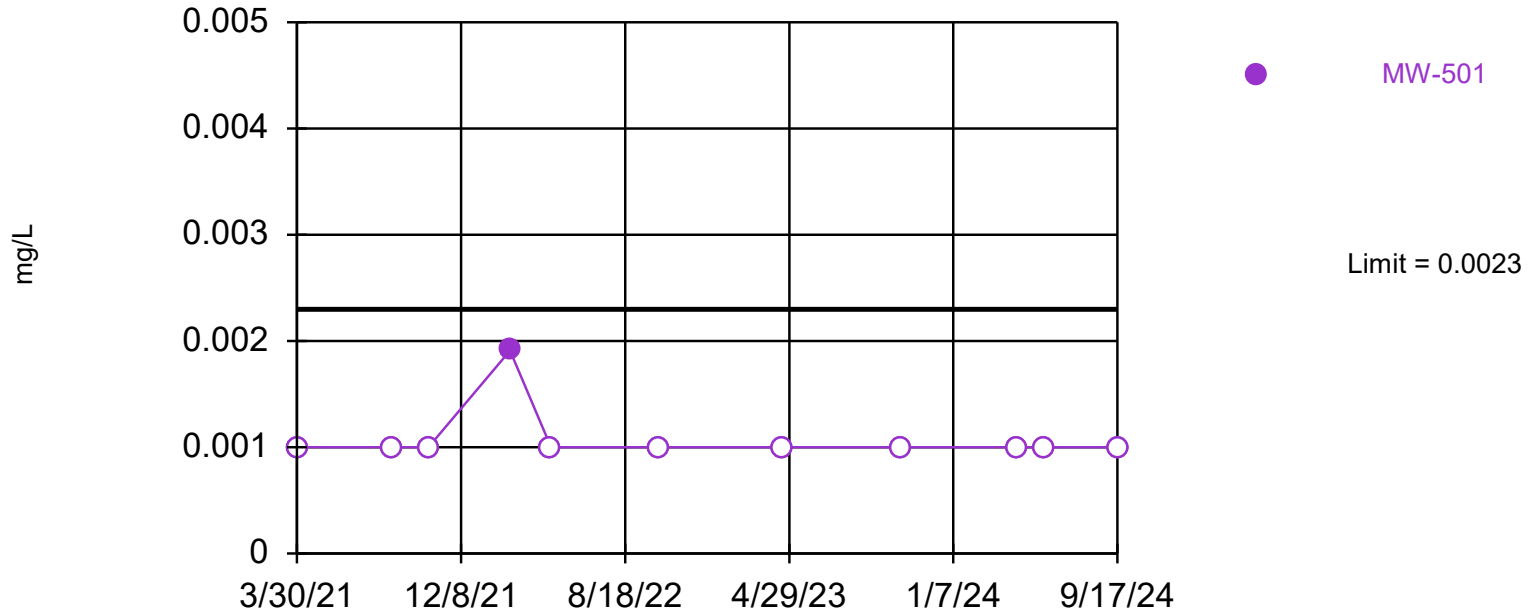
Constituent: Barium Analysis Run 1/29/2025 8:38 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Interwell Non-parametric

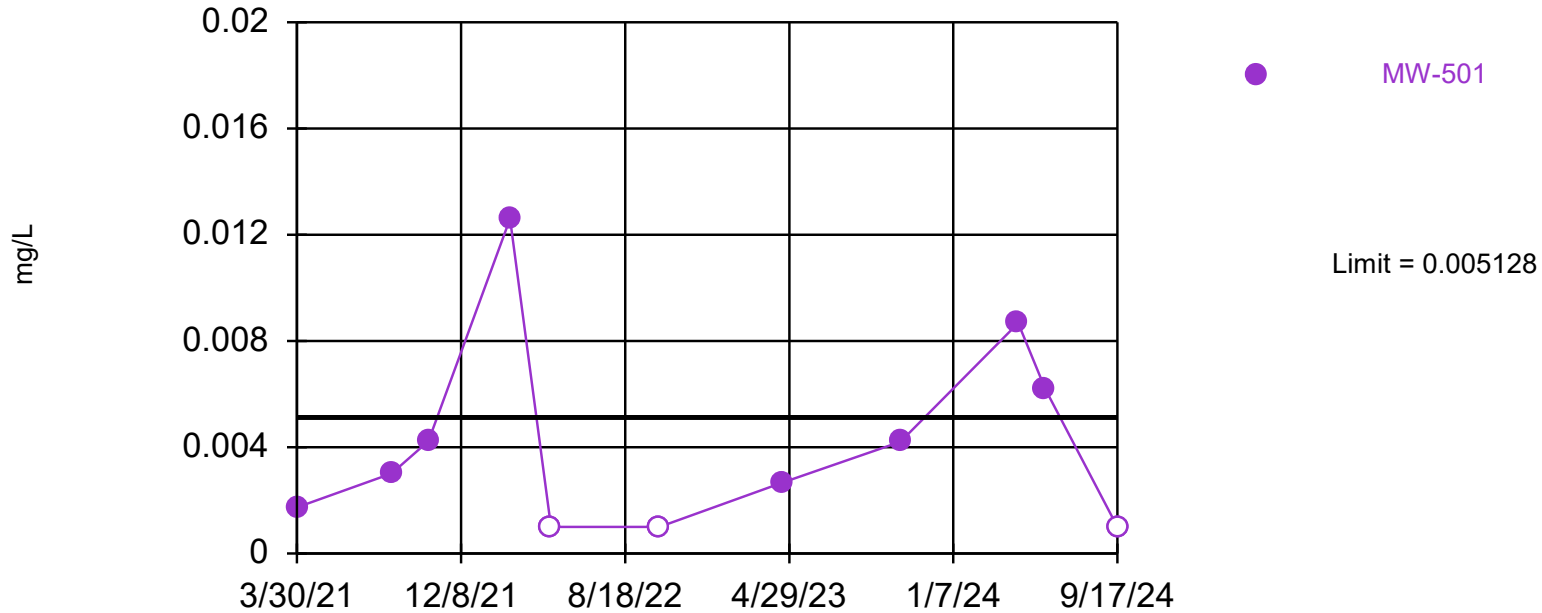


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 57.14% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

Constituent: Antimony Analysis Run 1/29/2025 8:40 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.502, Std. Dev.=0.5685, n=36, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.912. Kappa = 2.162 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.0005985.

Constituent: Arsenic Analysis Run 1/29/2025 8:40 PM

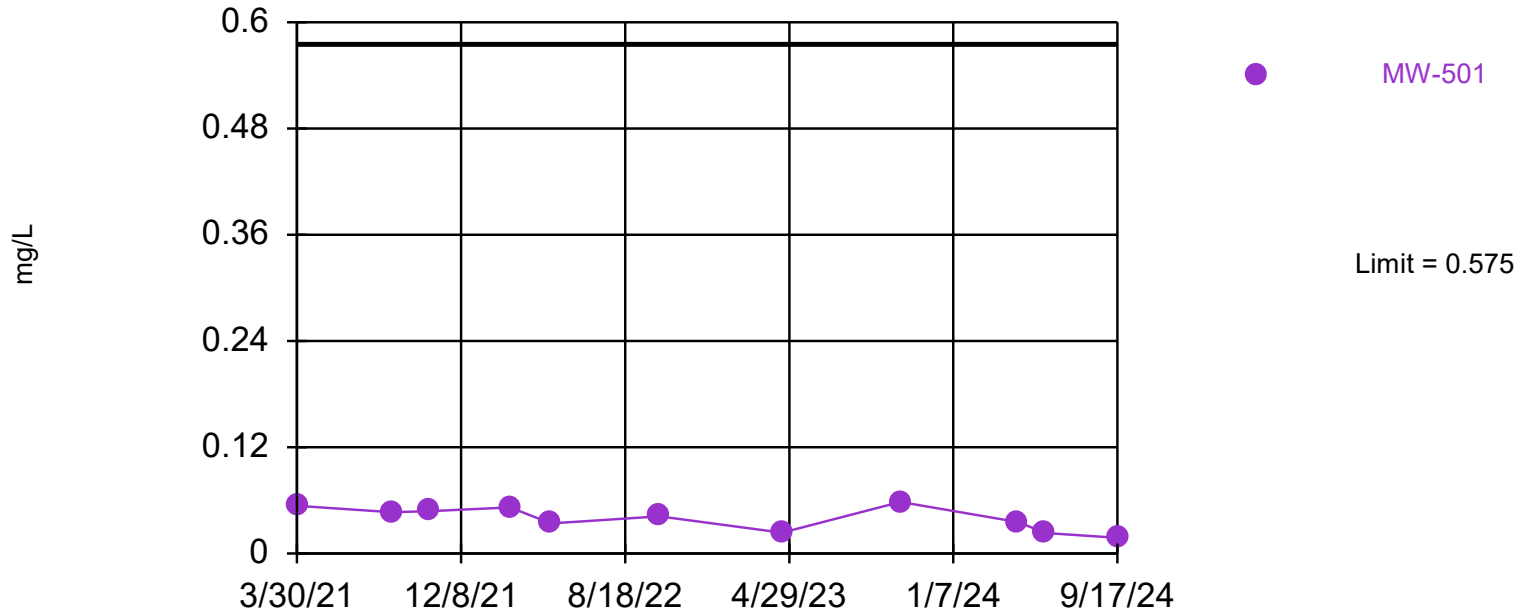
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Within Limit

## Prediction Limit - Detection Monitoring

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 36 background values. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

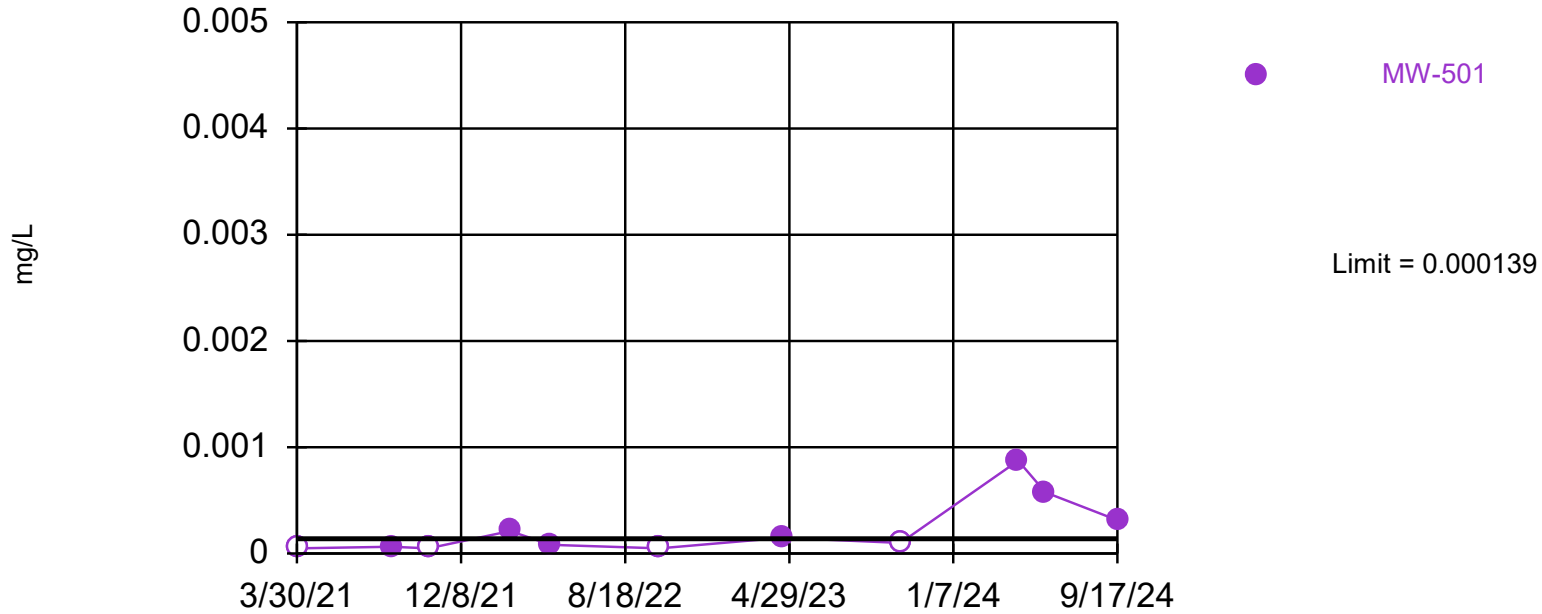
Constituent: Barium Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-501

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Annual per-constituent alpha = 0.04861. Individual comparison alpha = 0.00311 (1 of 2).

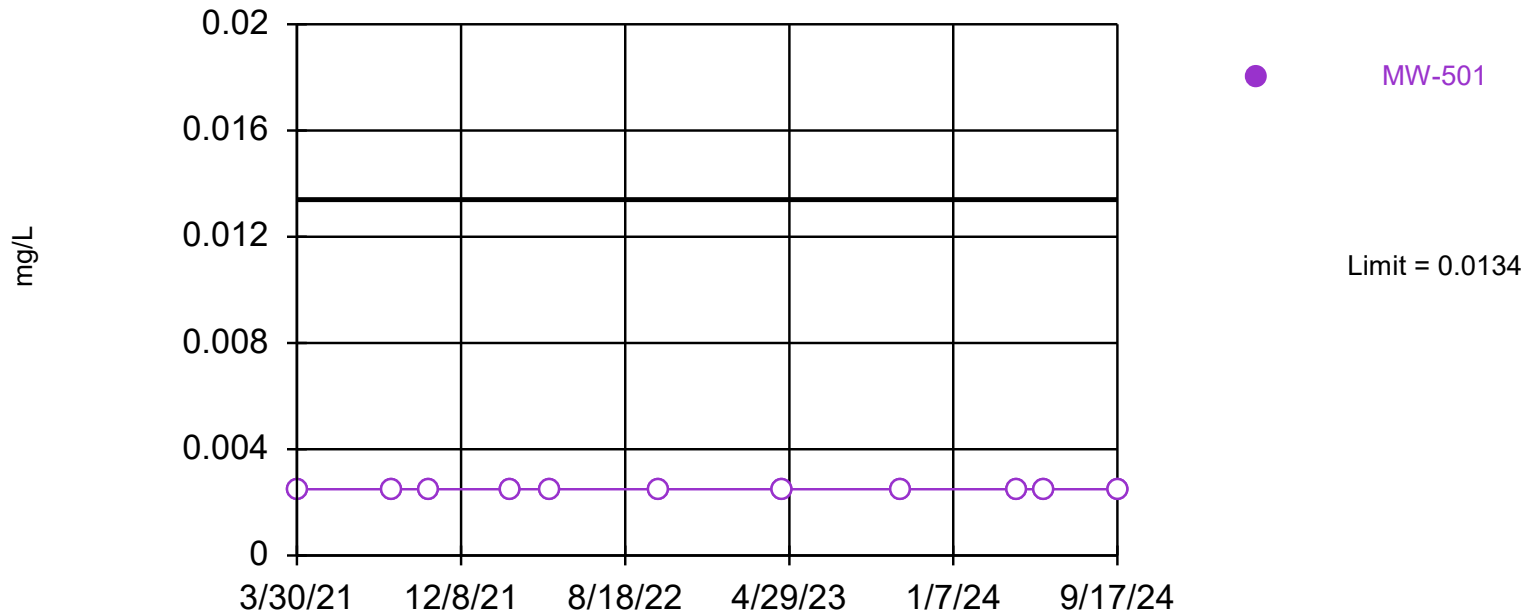
Constituent: Cadmium Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 83.33% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

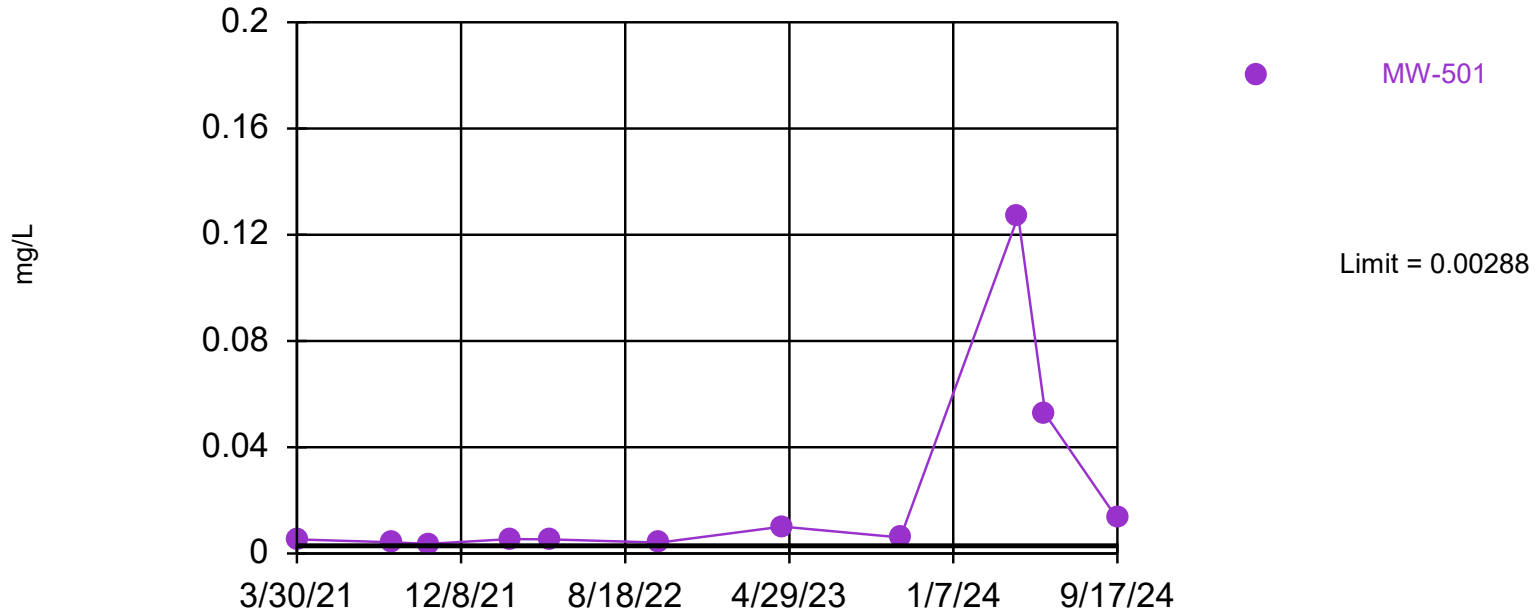
Constituent: Chromium Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-501

## Prediction Limit - Detection Monitoring

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 36 background values. 22.22% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

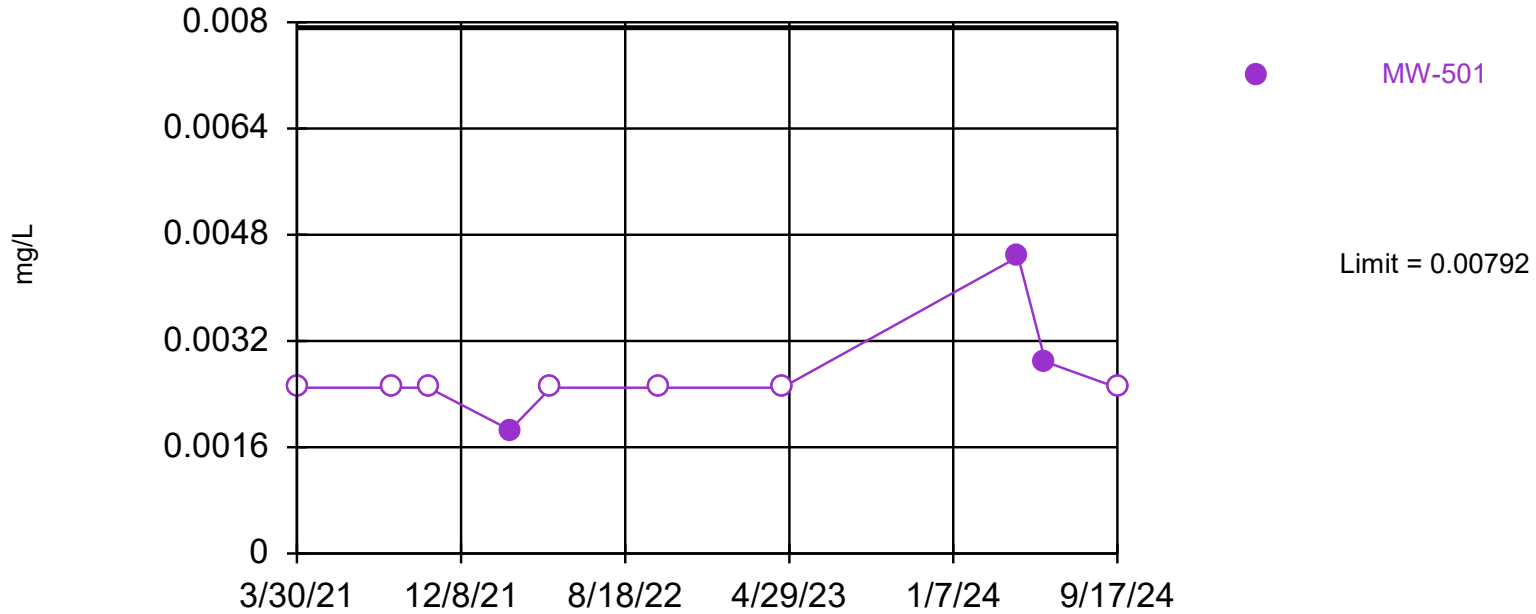
Constituent: Cobalt Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Annual per-constituent alpha = 0.02556. Individual comparison alpha = 0.001617 (1 of 2).

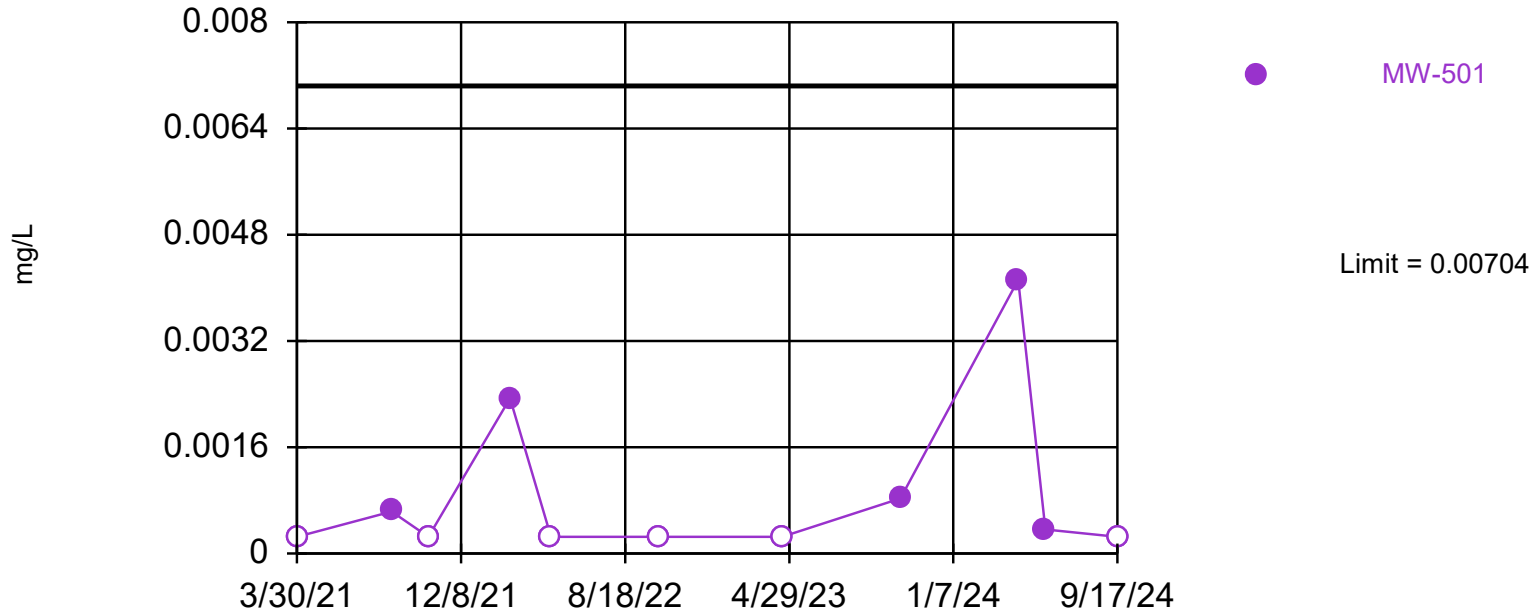
Constituent: Copper Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 55.56% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

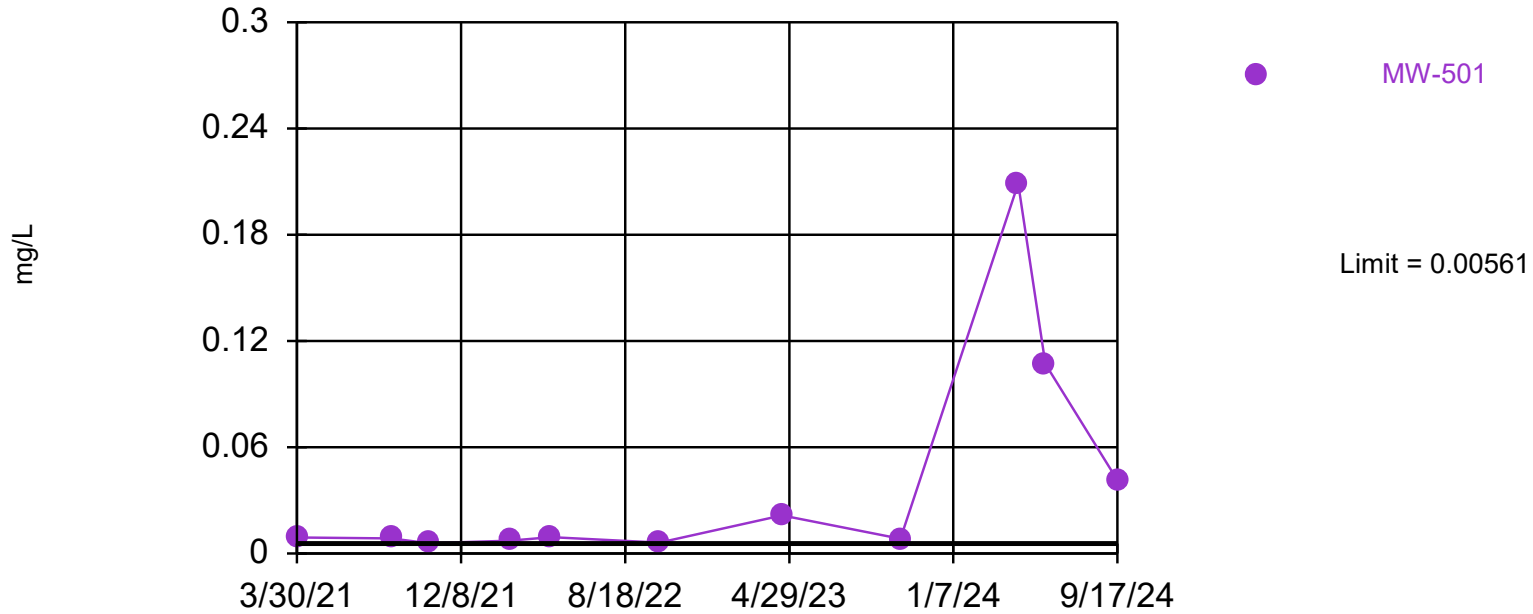
Constituent: Lead Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-501

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



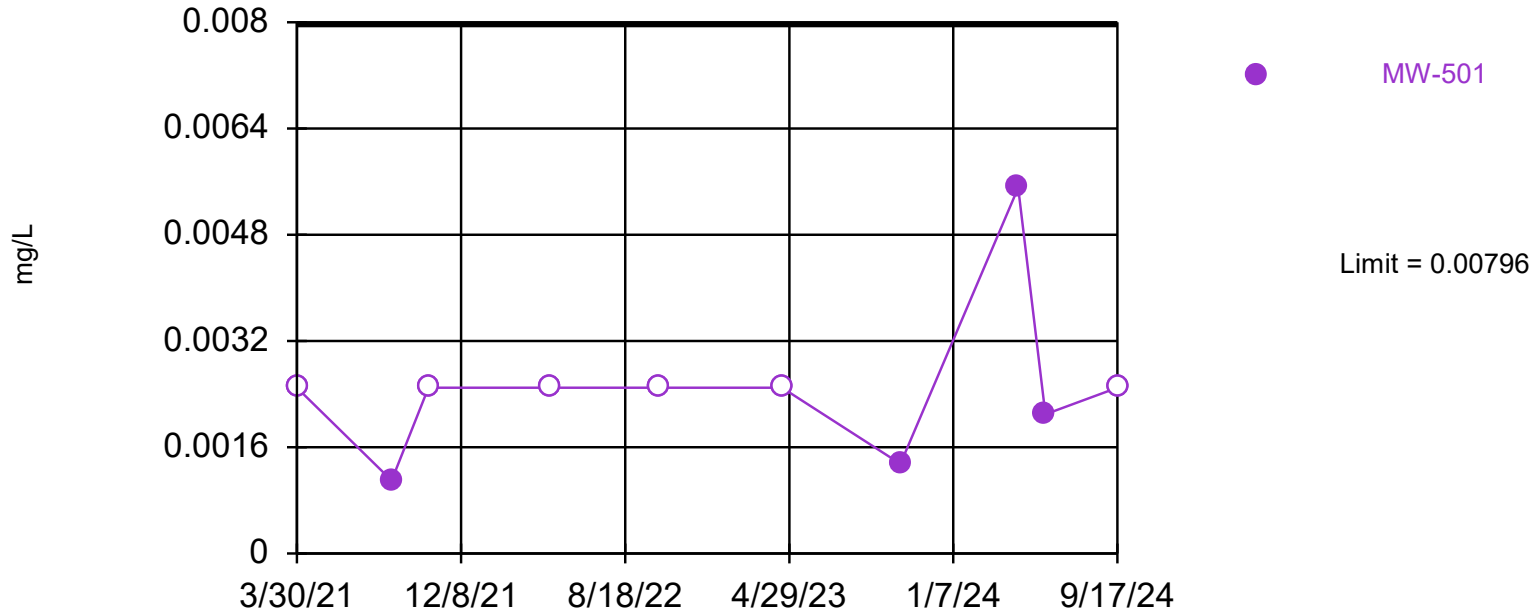
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 34 background values. 70.59% NDs. Annual per-constituent alpha = 0.02411. Individual comparison alpha = 0.001524 (1 of 2).

Constituent: Nickel Analysis Run 1/29/2025 8:40 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

Constituent: Vanadium Analysis Run 1/29/2025 8:40 PM

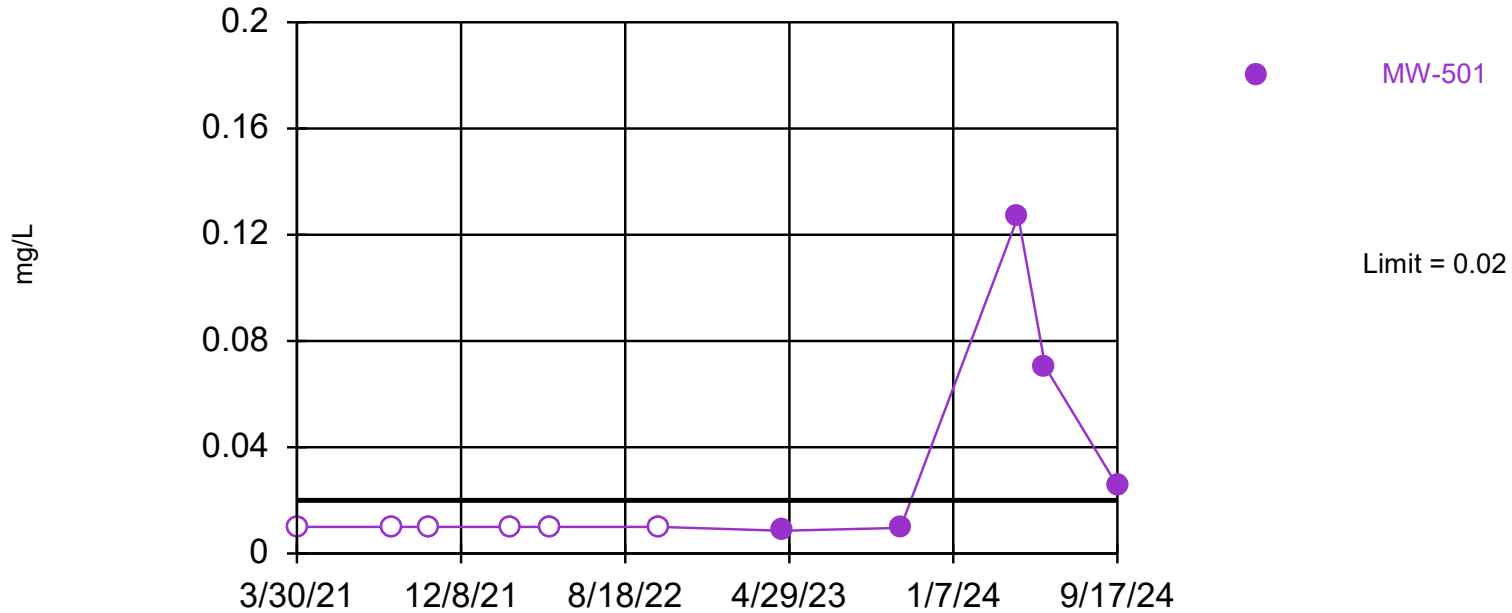
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Exceeds Limit: MW-501

## Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Annual per-constituent alpha = 0.027. Individual comparison alpha = 0.001709 (1 of 2).

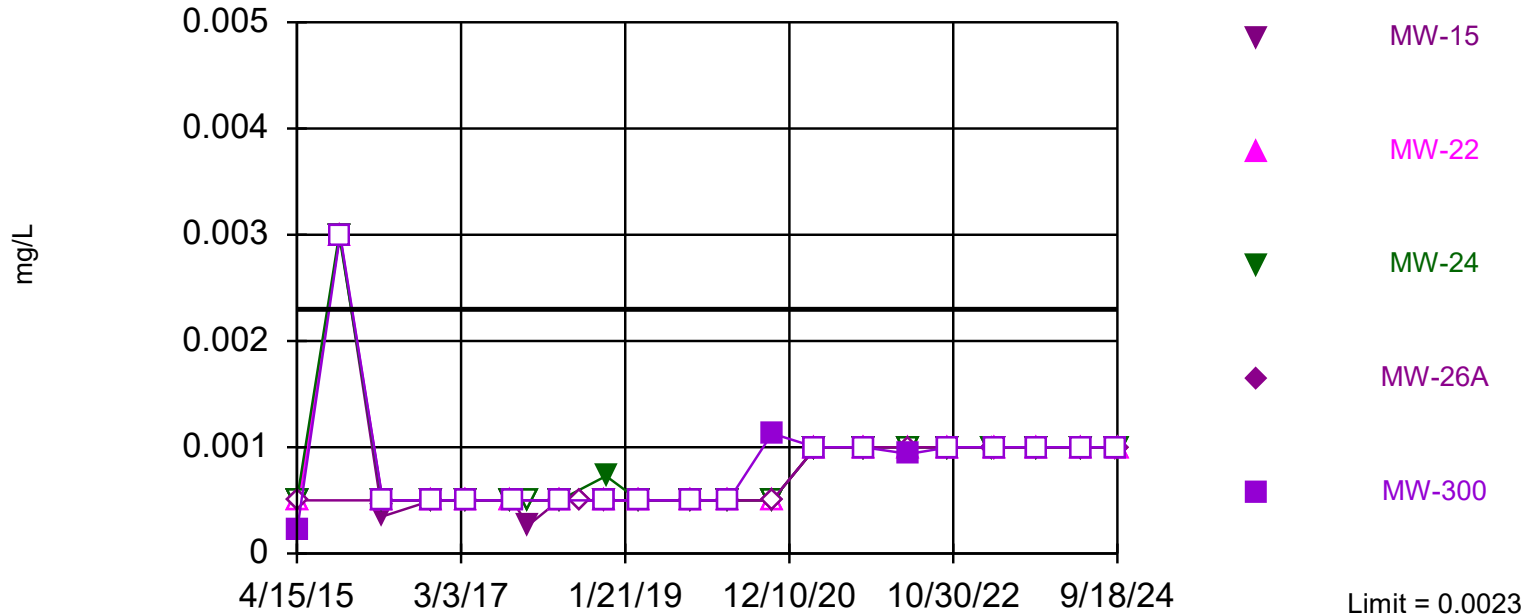
Constituent: Zinc Analysis Run 1/29/2025 8:40 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



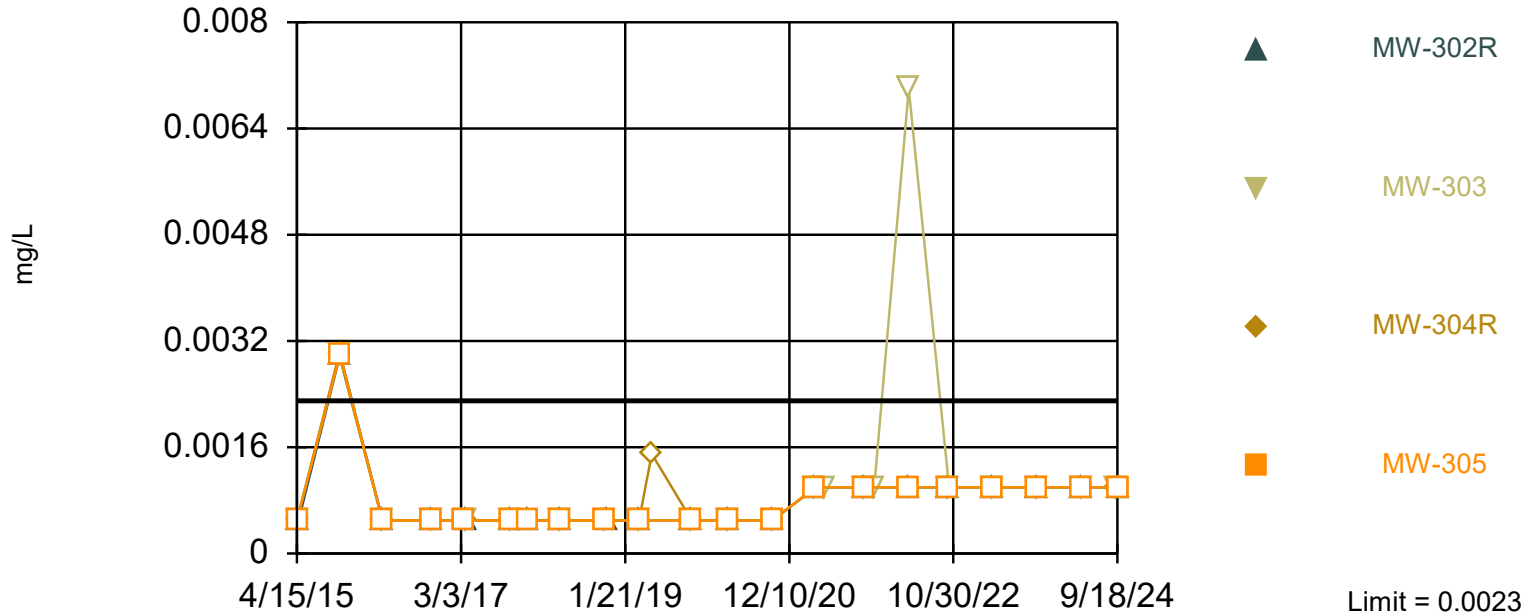
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 57.14% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

Constituent: Antimony Analysis Run 1/29/2025 8:44 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

# Prediction Limit - Assessment Monitoring

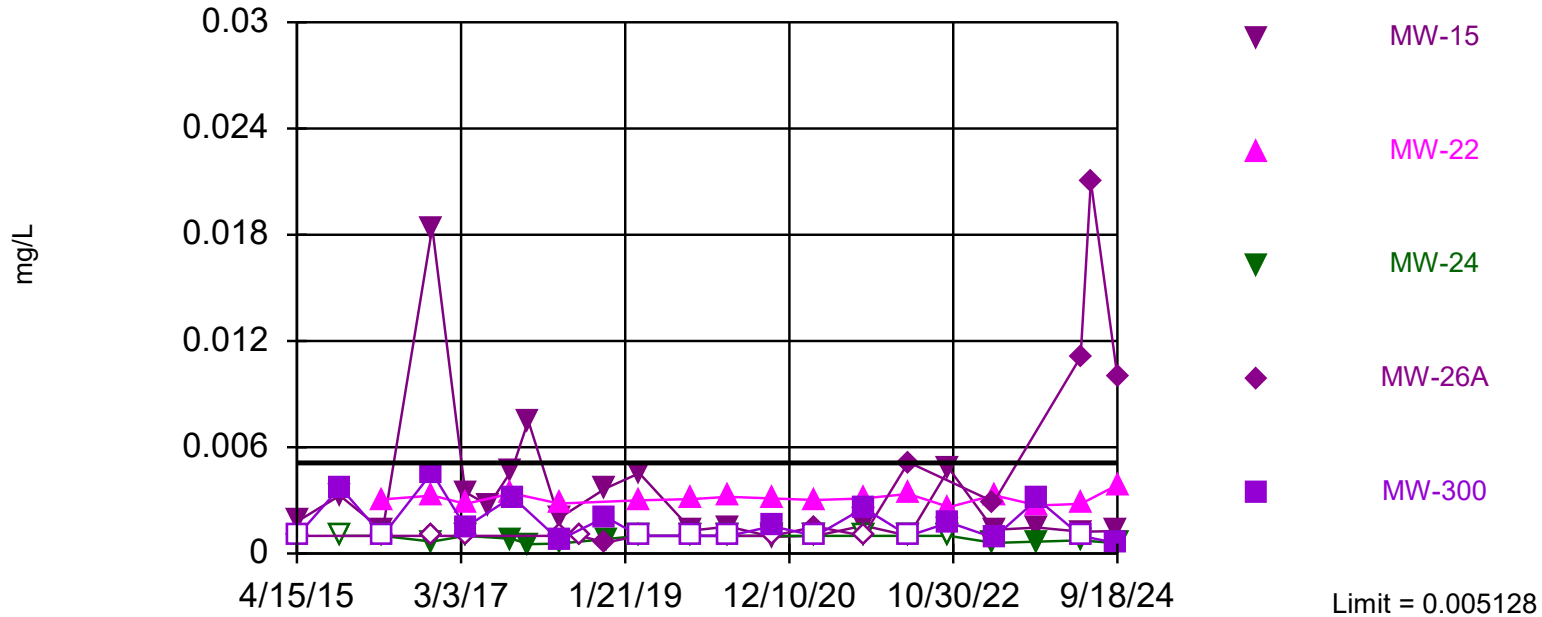
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 57.14% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

Exceeds Limit: MW-26A

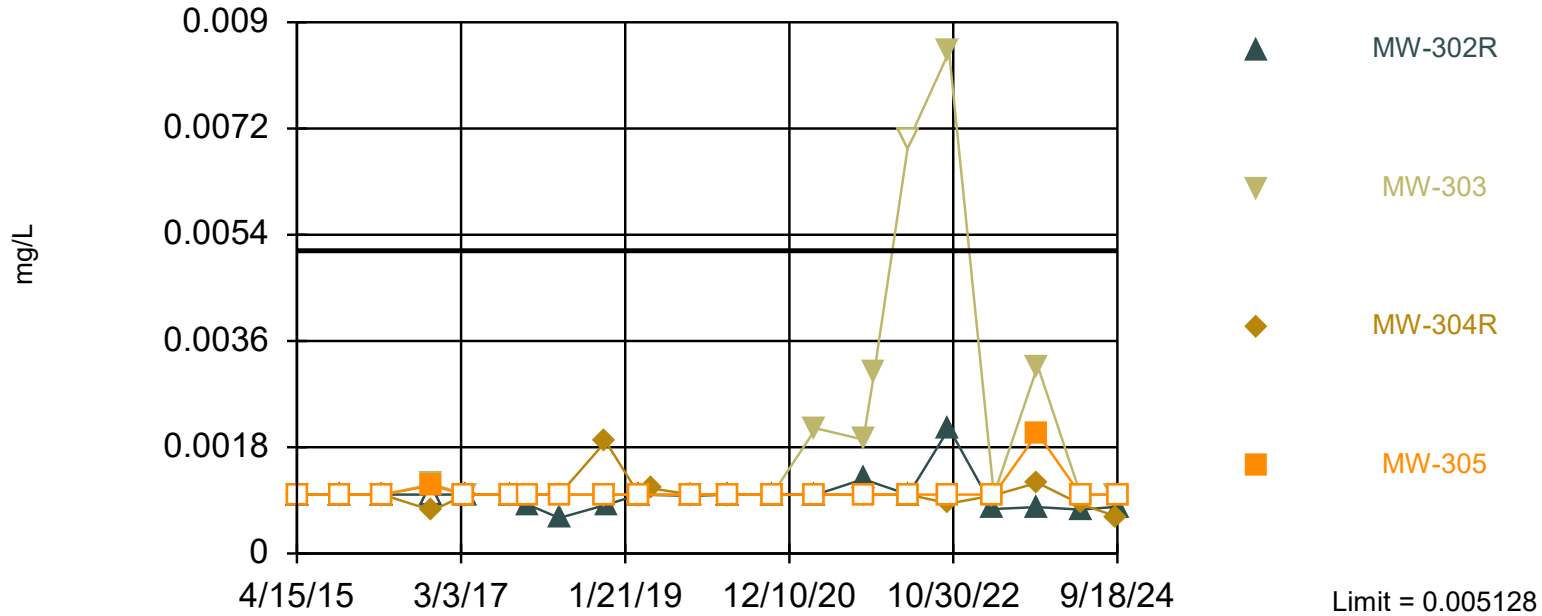
## Prediction Limit - Assessment Monitoring Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.502, Std. Dev.=0.5685, n=36, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.912. Kappa = 2.162 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.0005985.

Within Limit

## Prediction Limit - Assessment Monitoring Interwell Parametric



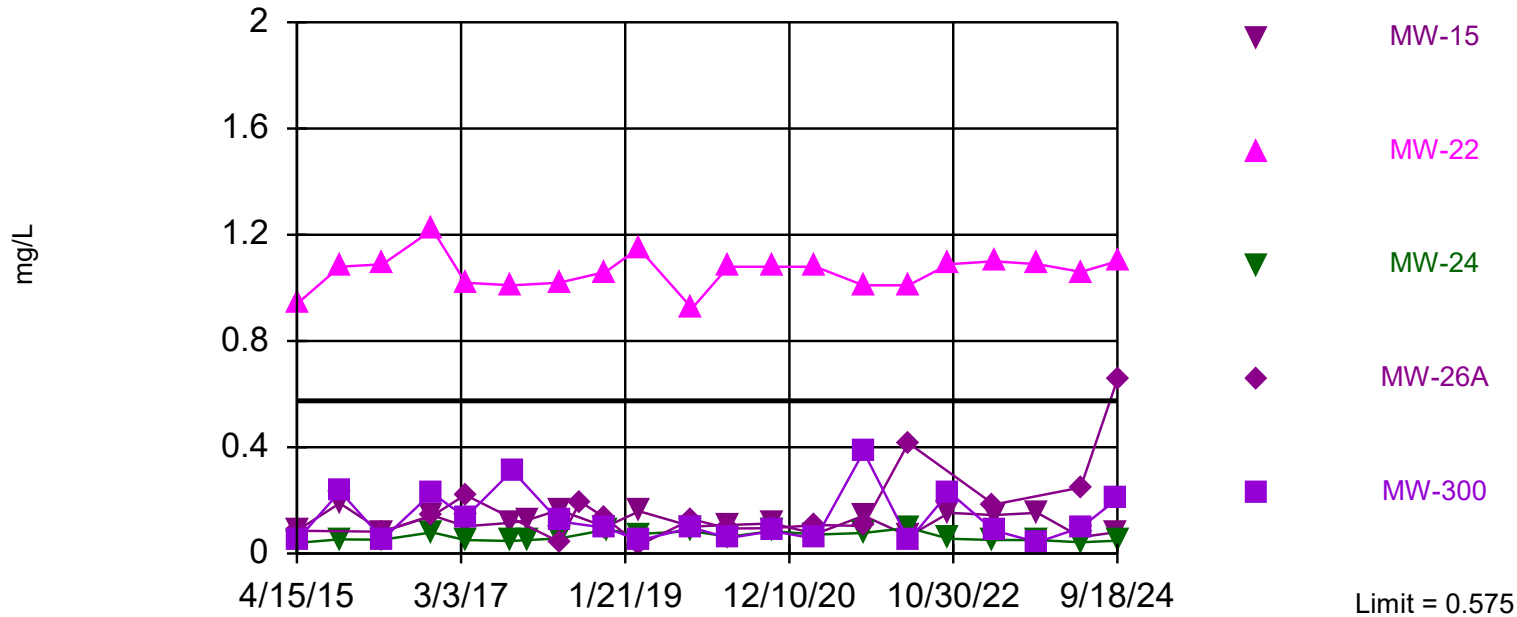
Background Data Summary (based on natural log transformation): Mean=-6.502, Std. Dev.=0.5685, n=36, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.912. Kappa = 2.162 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.0005985.

Constituent: Arsenic Analysis Run 1/29/2025 8:45 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-22, MW-26A

### Prediction Limit - Assessment Monitoring

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 36 background values. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

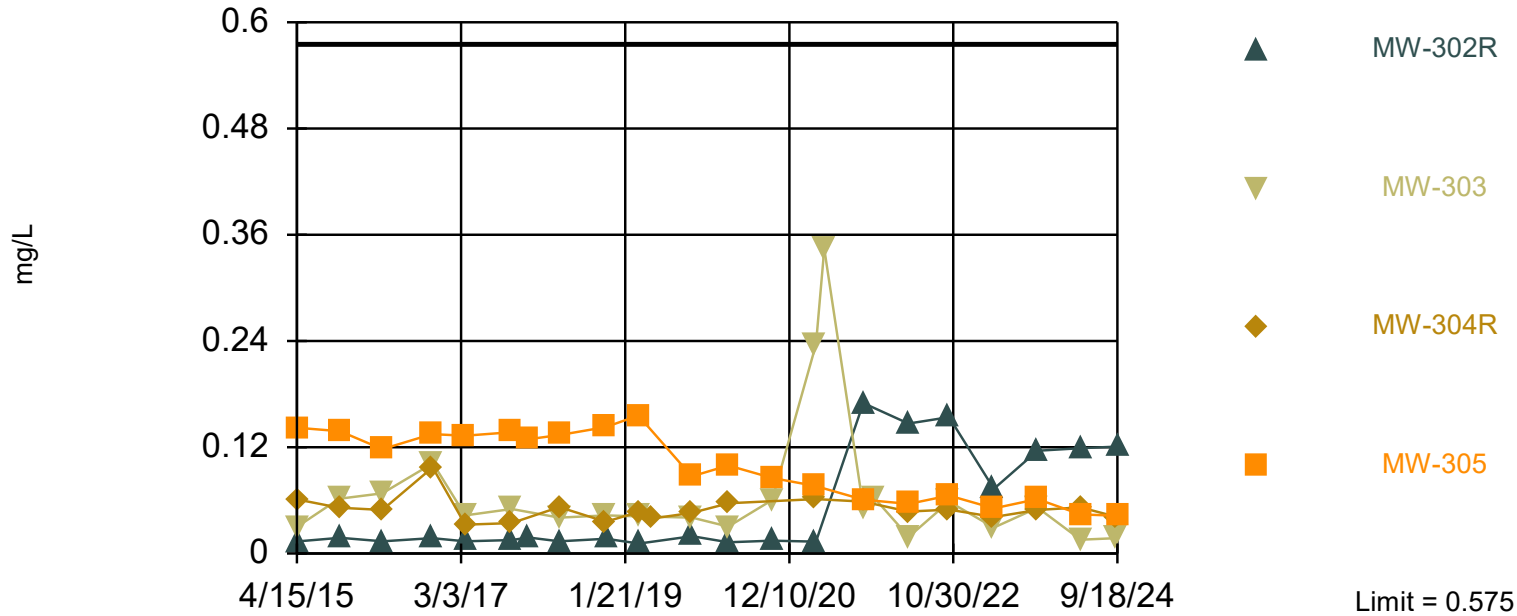
Constituent: Barium Analysis Run 1/29/2025 8:44 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Assessment Monitoring

Interwell Non-parametric



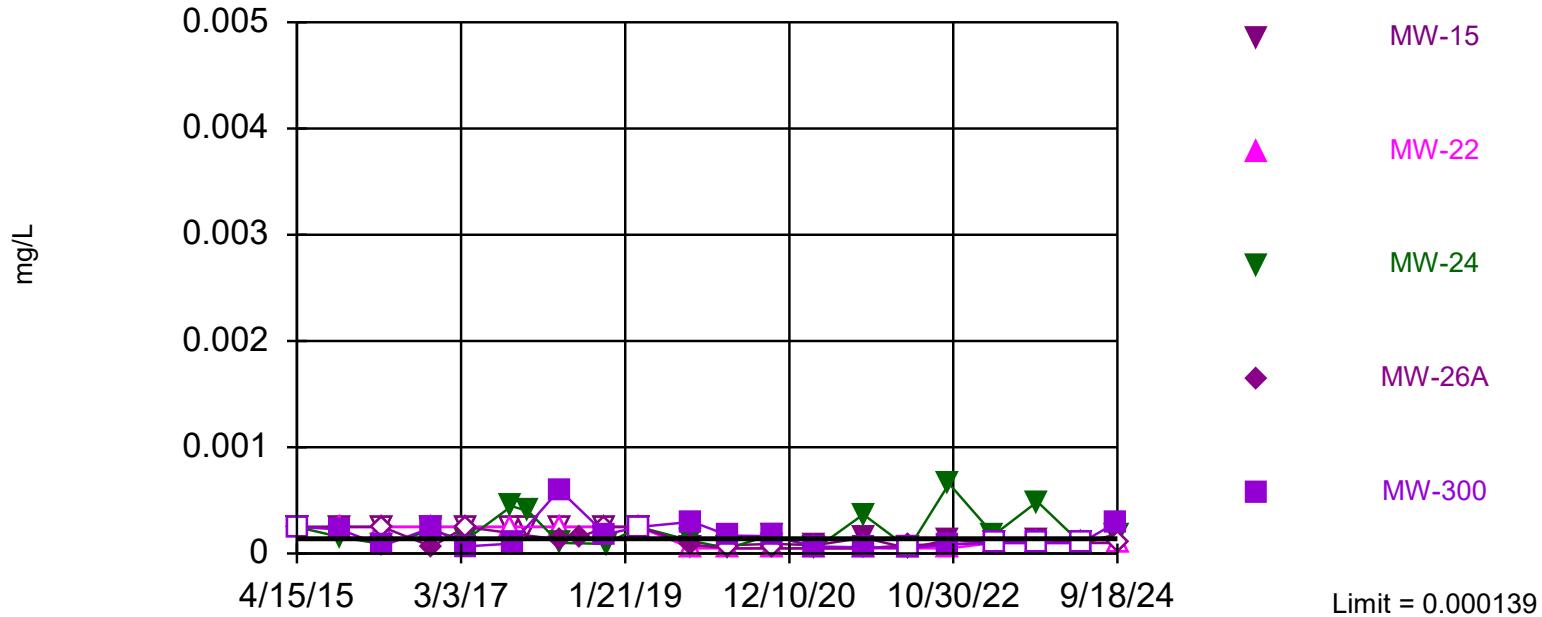
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Barium    Analysis Run 1/29/2025 8:45 PM  
Linn County SWAL    Client: Foth    Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-300

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Annual per-constituent alpha = 0.04861. Individual comparison alpha = 0.00311 (1 of 2).

Constituent: Cadmium Analysis Run 1/29/2025 8:44 PM

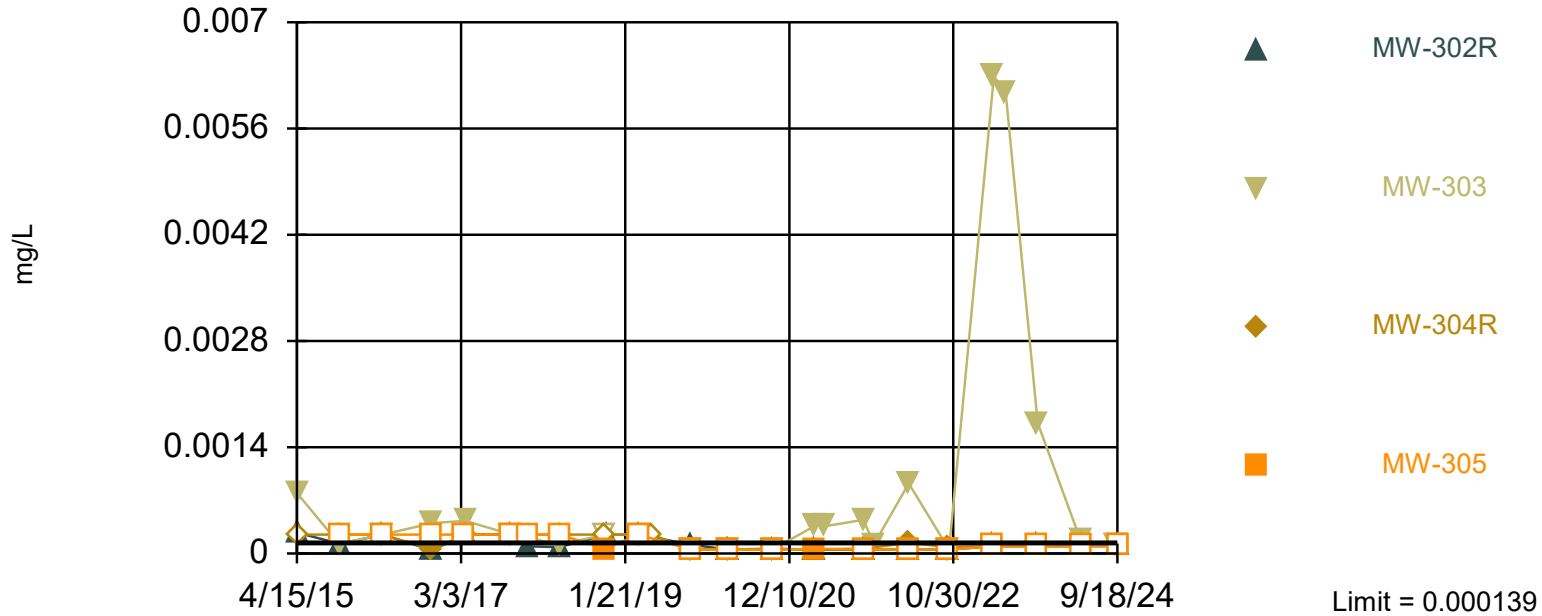
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Annual per-constituent alpha = 0.04861. Individual comparison alpha = 0.00311 (1 of 2).

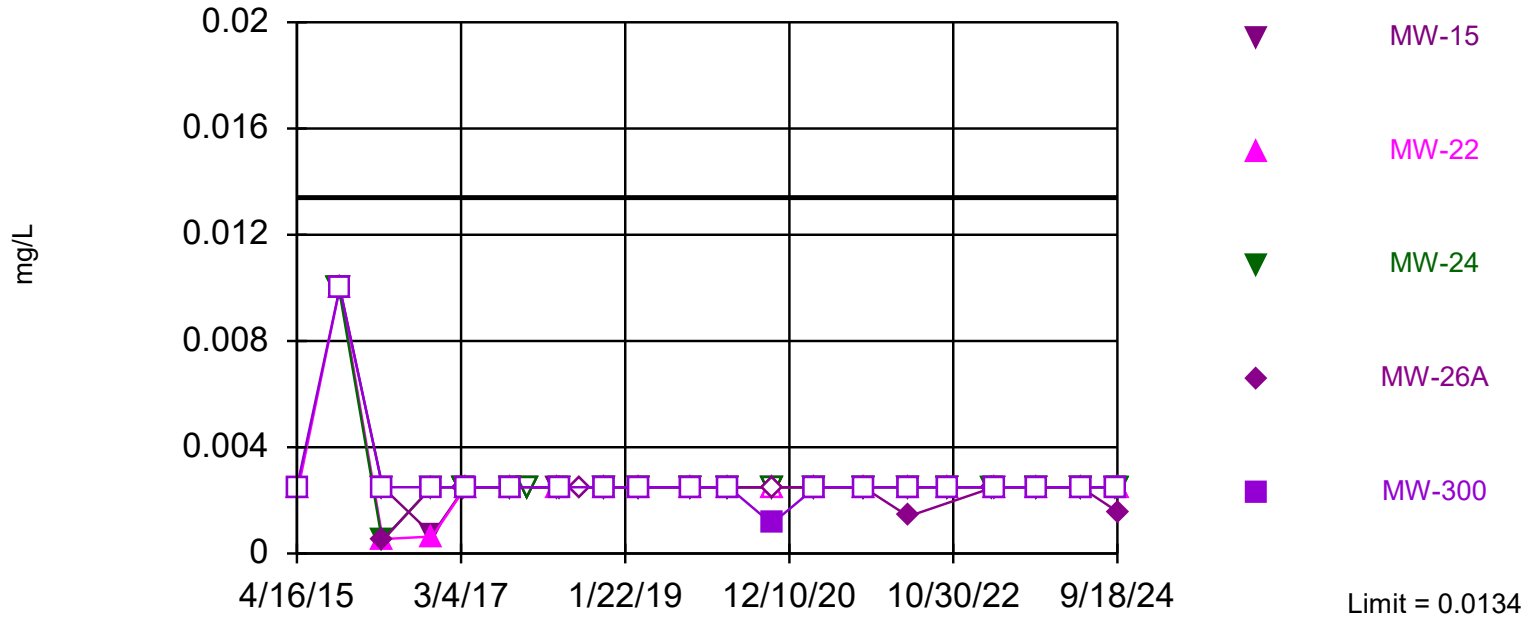
Constituent: Cadmium Analysis Run 1/29/2025 8:45 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 83.33% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

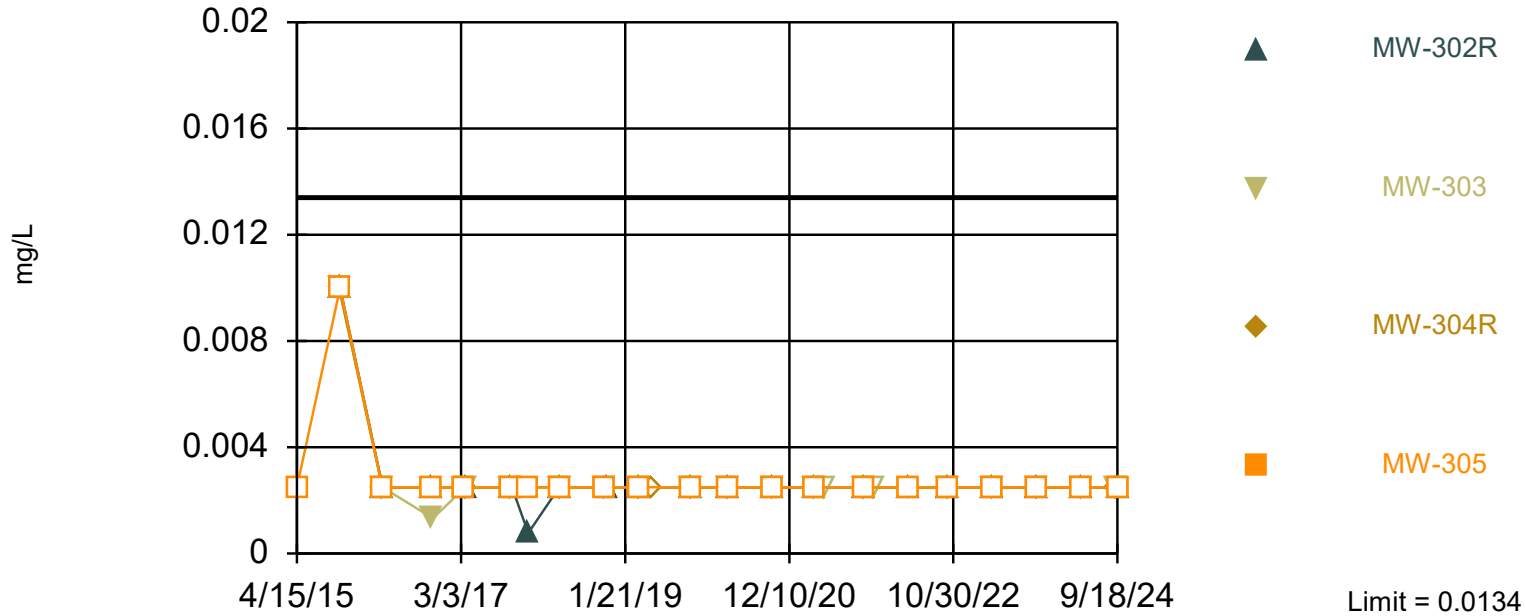
Constituent: Chromium Analysis Run 1/29/2025 8:44 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric

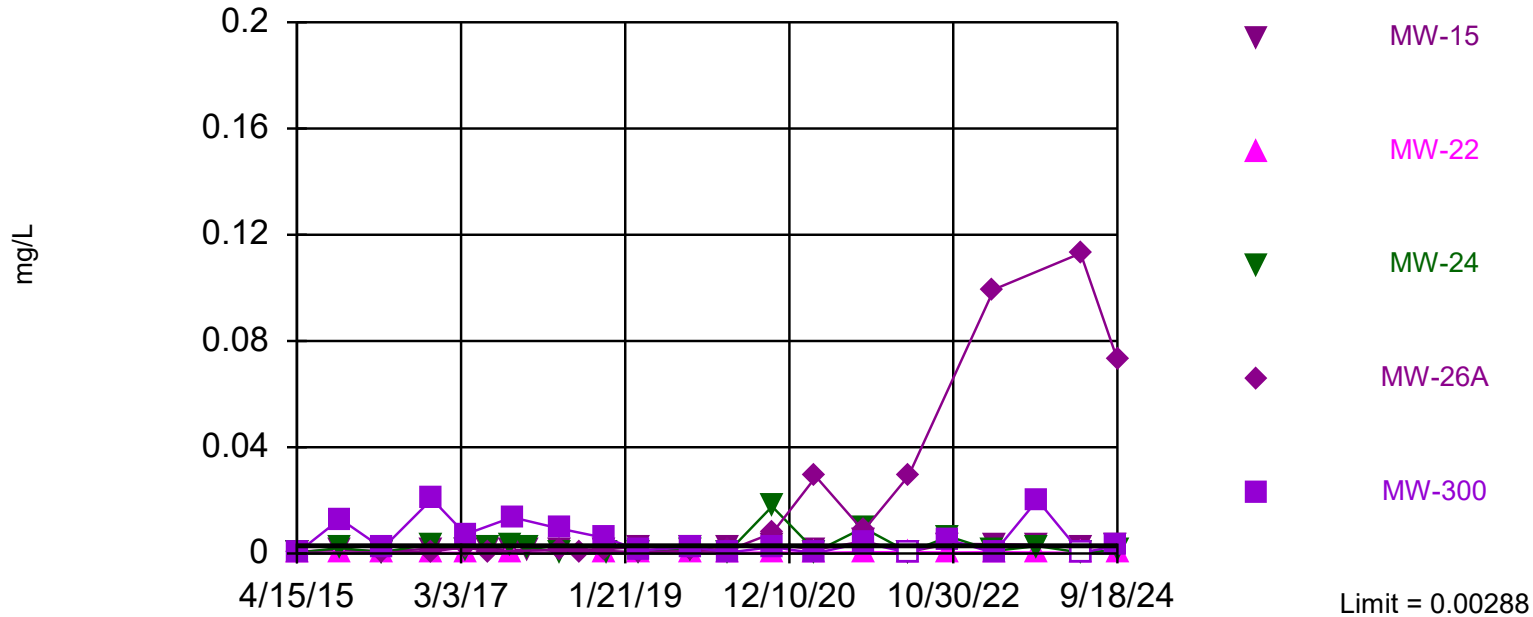


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 83.33% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Exceeds Limit: MW-15, MW-26A

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric

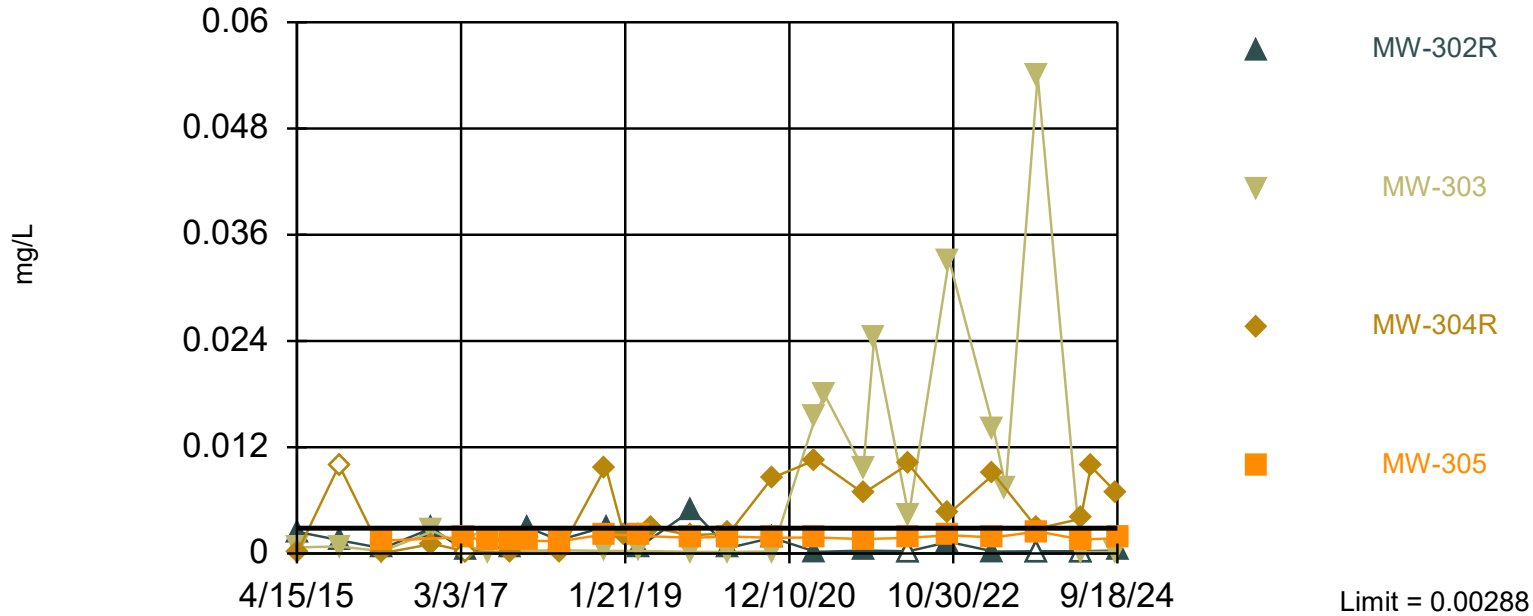


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. 22.22% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Exceeds Limit: MW-304R

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



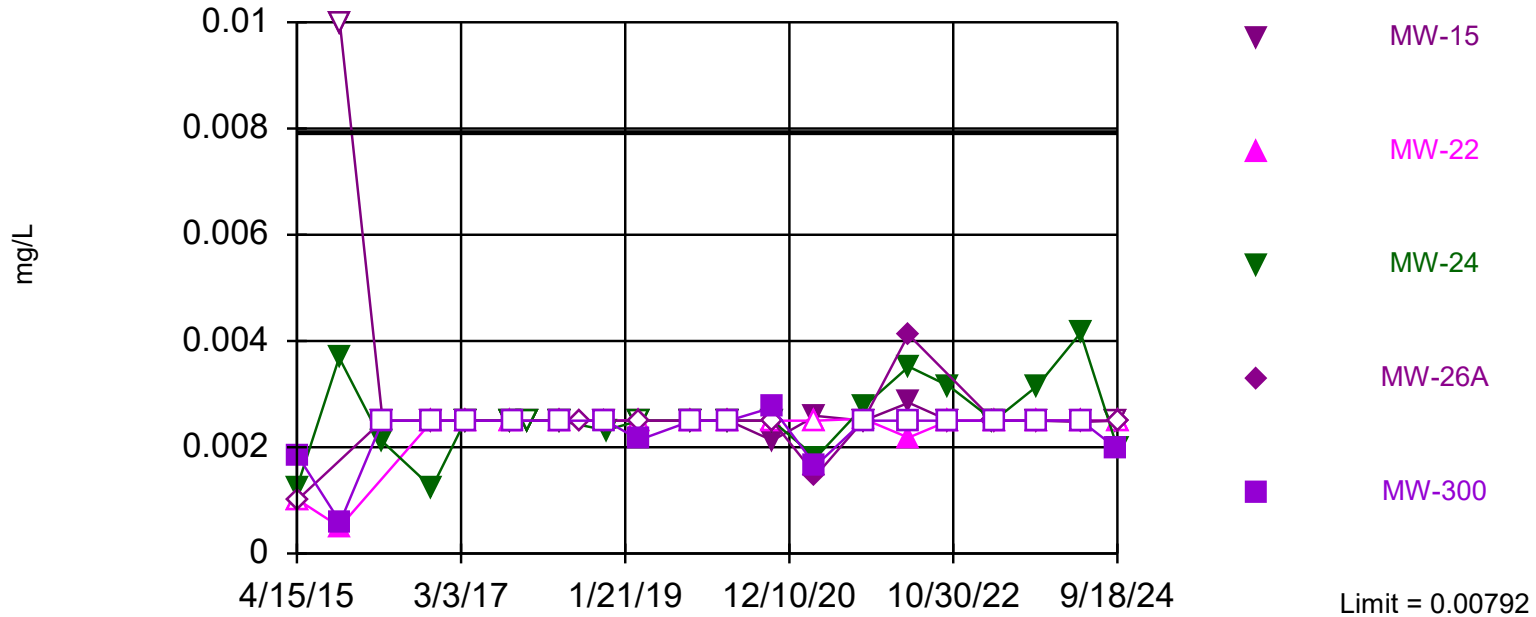
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. 22.22% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Cobalt Analysis Run 1/29/2025 8:45 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Annual per-constituent alpha = 0.02556. Individual comparison alpha = 0.001617 (1 of 2).

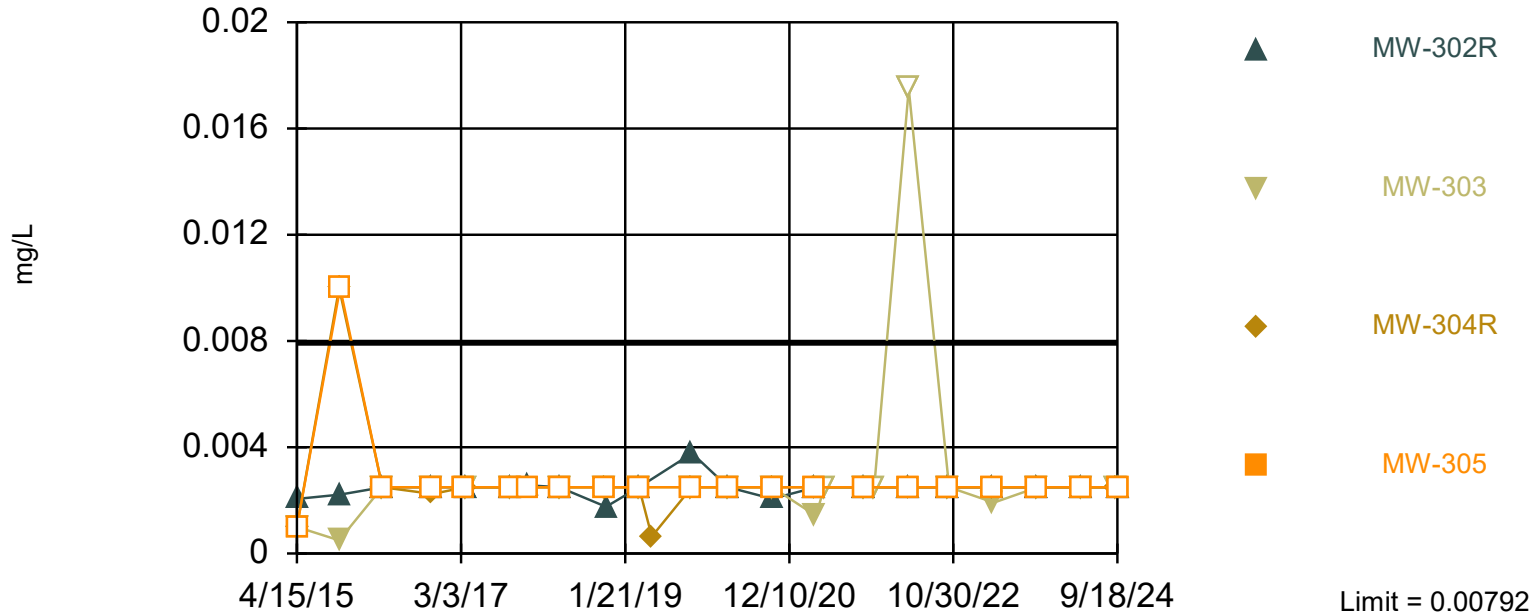
Constituent: Copper Analysis Run 1/29/2025 8:44 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Annual per-constituent alpha = 0.02556. Individual comparison alpha = 0.001617 (1 of 2).

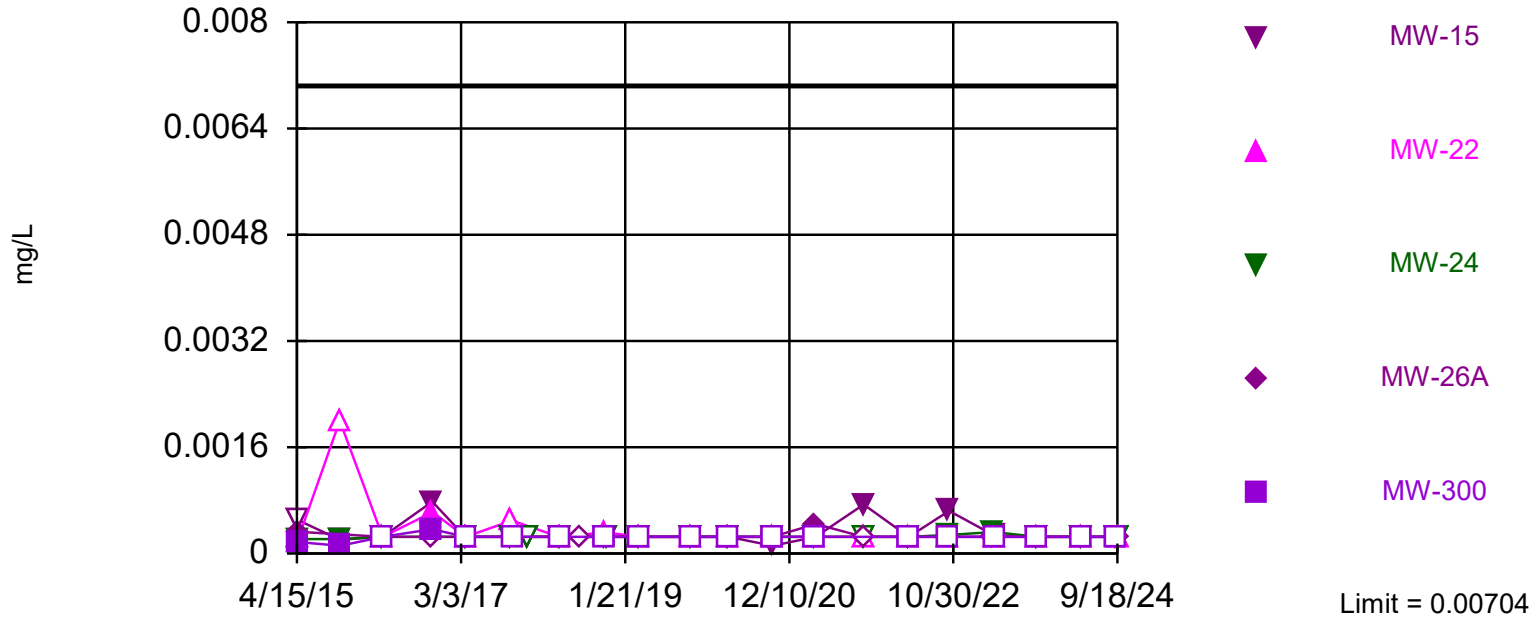
Constituent: Copper Analysis Run 1/29/2025 8:45 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 55.56% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Lead Analysis Run 1/29/2025 8:44 PM

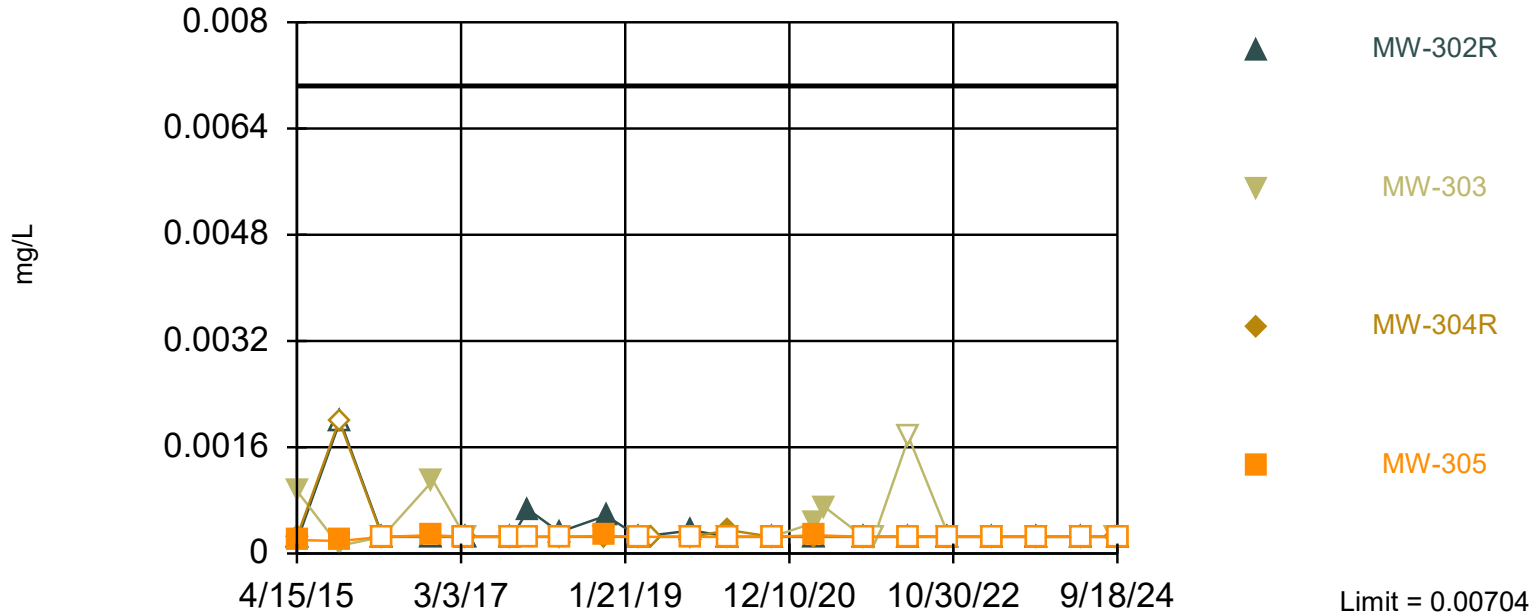
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



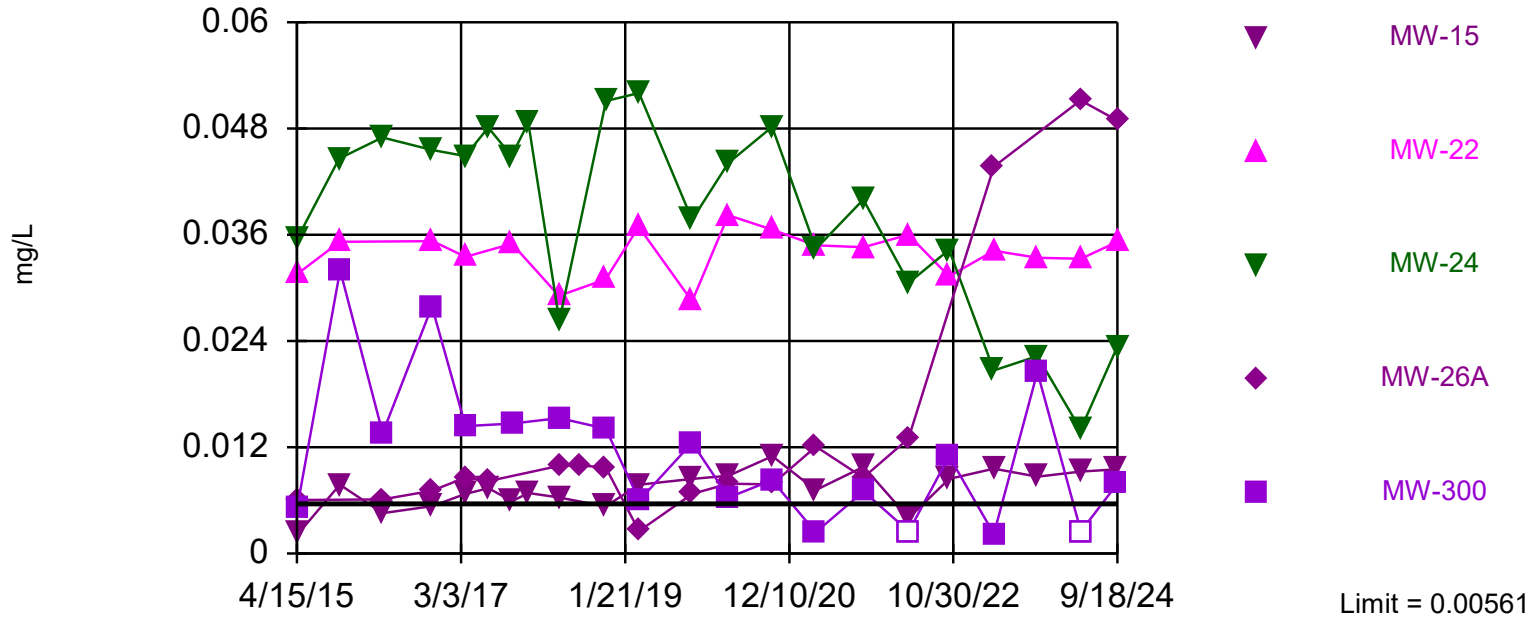
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 55.56% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Lead Analysis Run 1/29/2025 8:45 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Exceeds Limit: MW-15, MW-22, MW-24,  
MW-26A, MW-300

### Prediction Limit - Assessment Monitoring Interwell Non-parametric

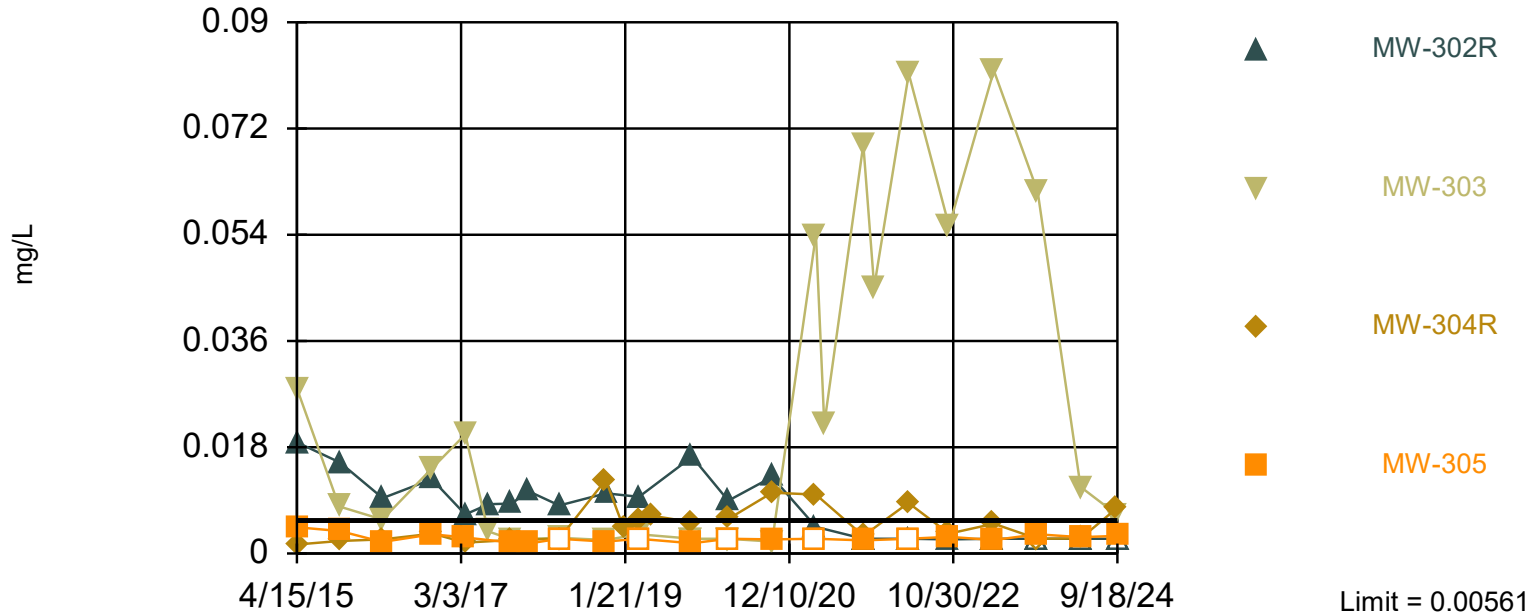


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 34 background values. 70.59% NDs. Annual per-constituent alpha = 0.02411. Individual comparison alpha = 0.001524 (1 of 2).

Exceeds Limit: MW-303, MW-304R

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric

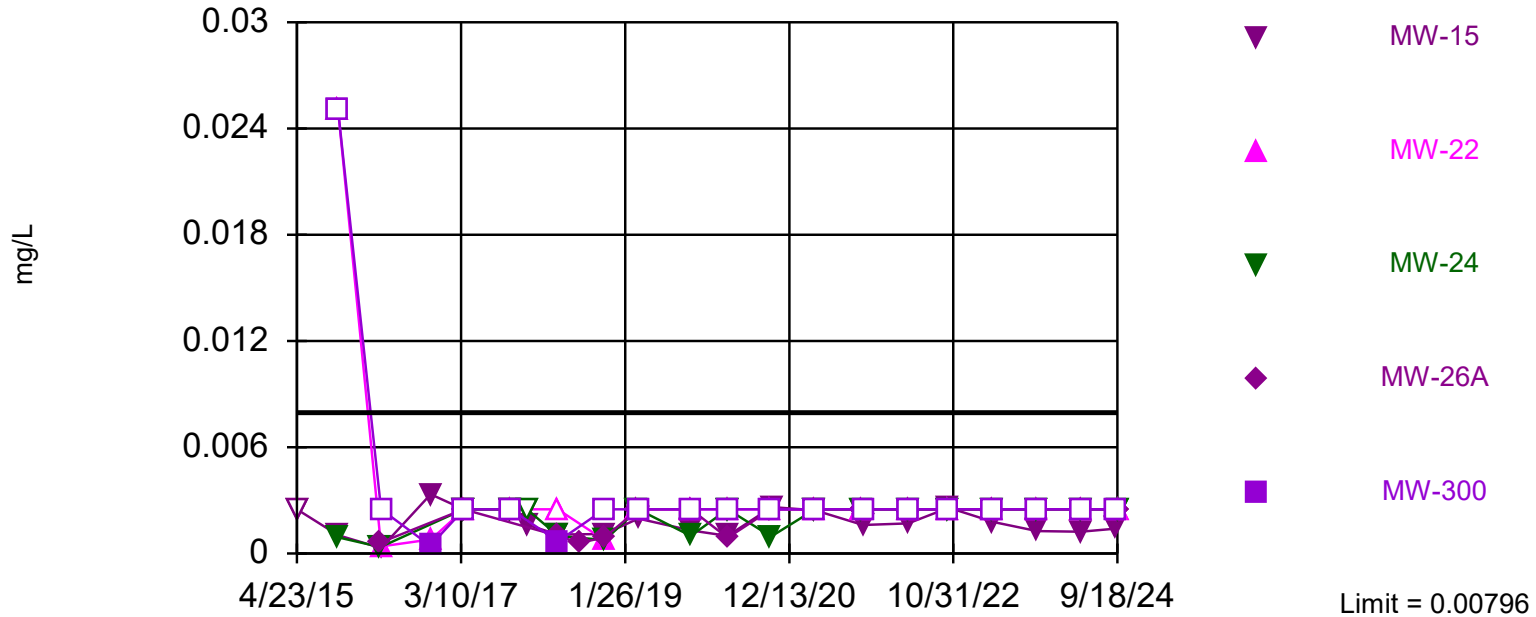


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 34 background values. 70.59% NDs. Annual per-constituent alpha = 0.02411. Individual comparison alpha = 0.001524 (1 of 2).

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

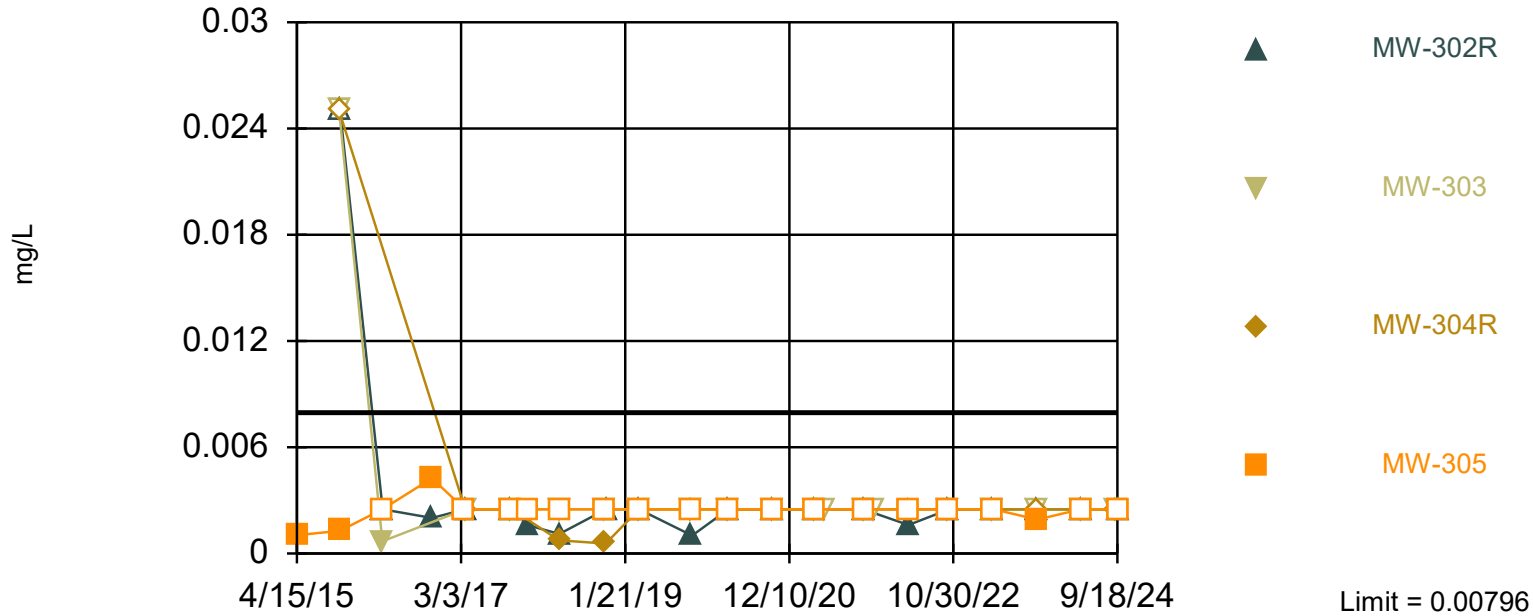
Constituent: Vanadium Analysis Run 1/29/2025 8:44 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).

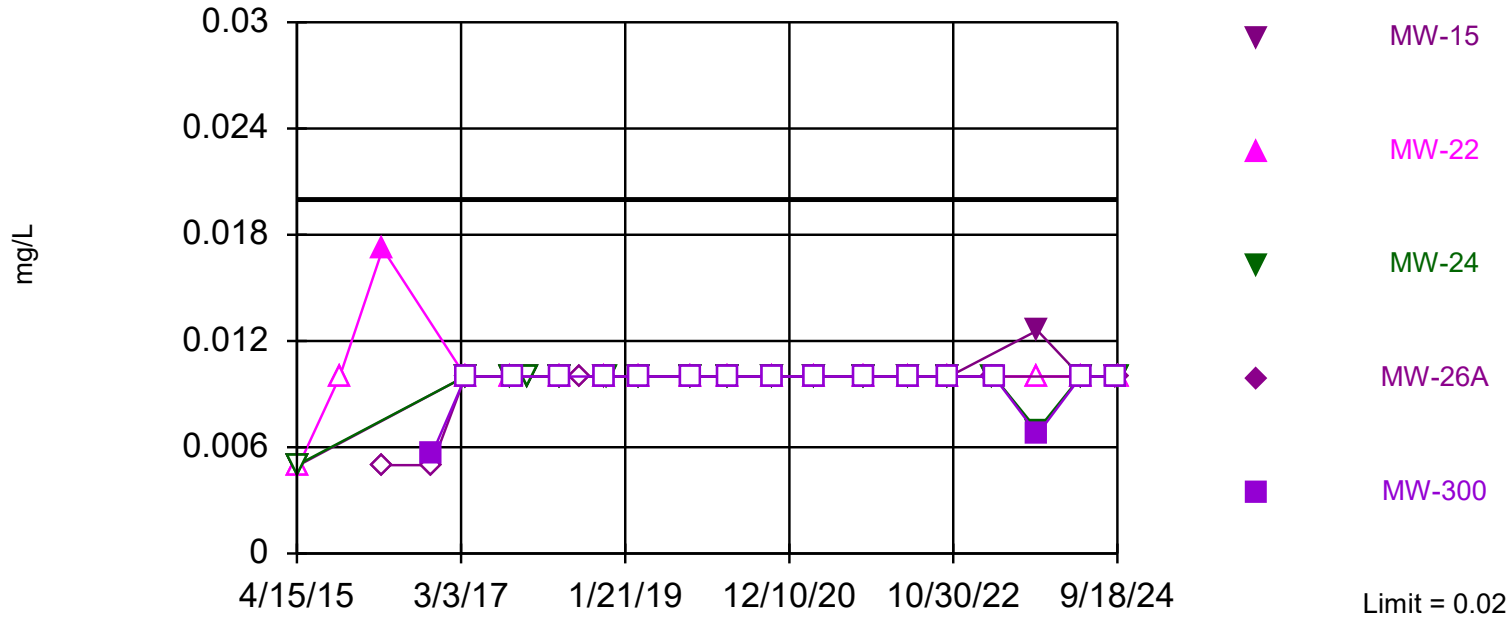
Constituent: Vanadium Analysis Run 1/29/2025 8:45 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Annual per-constituent alpha = 0.027. Individual comparison alpha = 0.001709 (1 of 2).

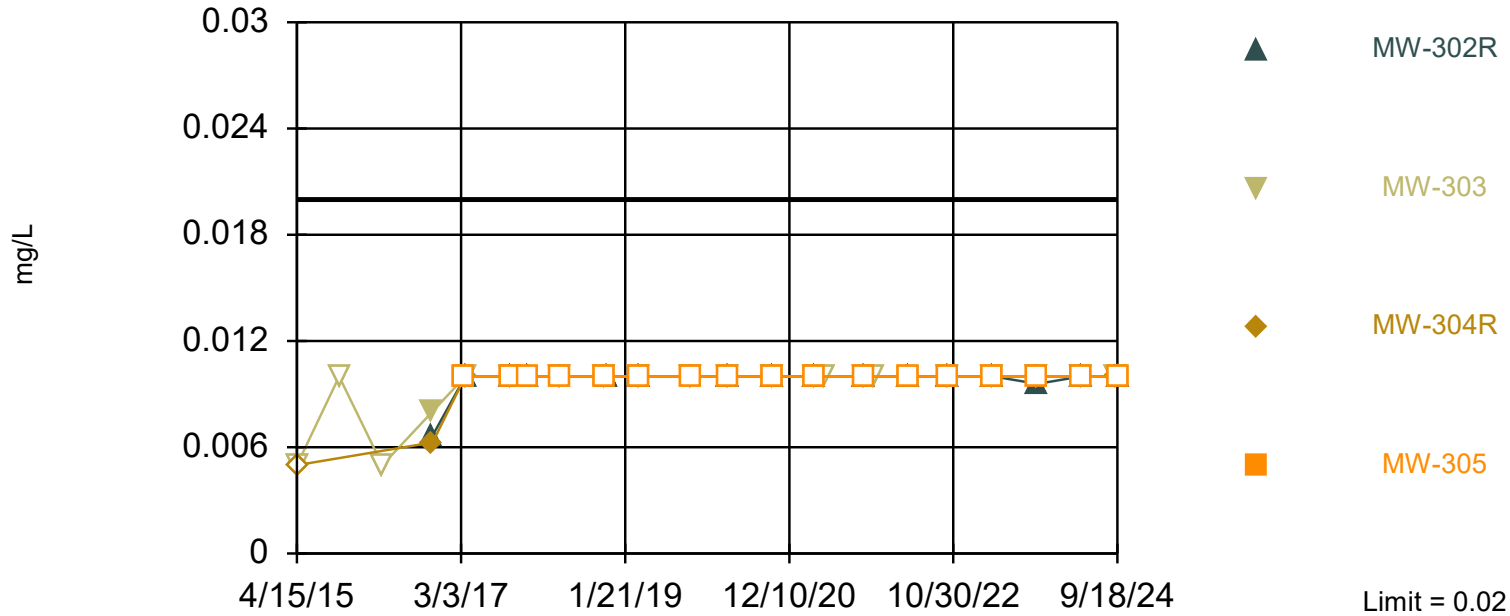
Constituent: Zinc Analysis Run 1/29/2025 8:44 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

## Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Annual per-constituent alpha = 0.027. Individual comparison alpha = 0.001709 (1 of 2).

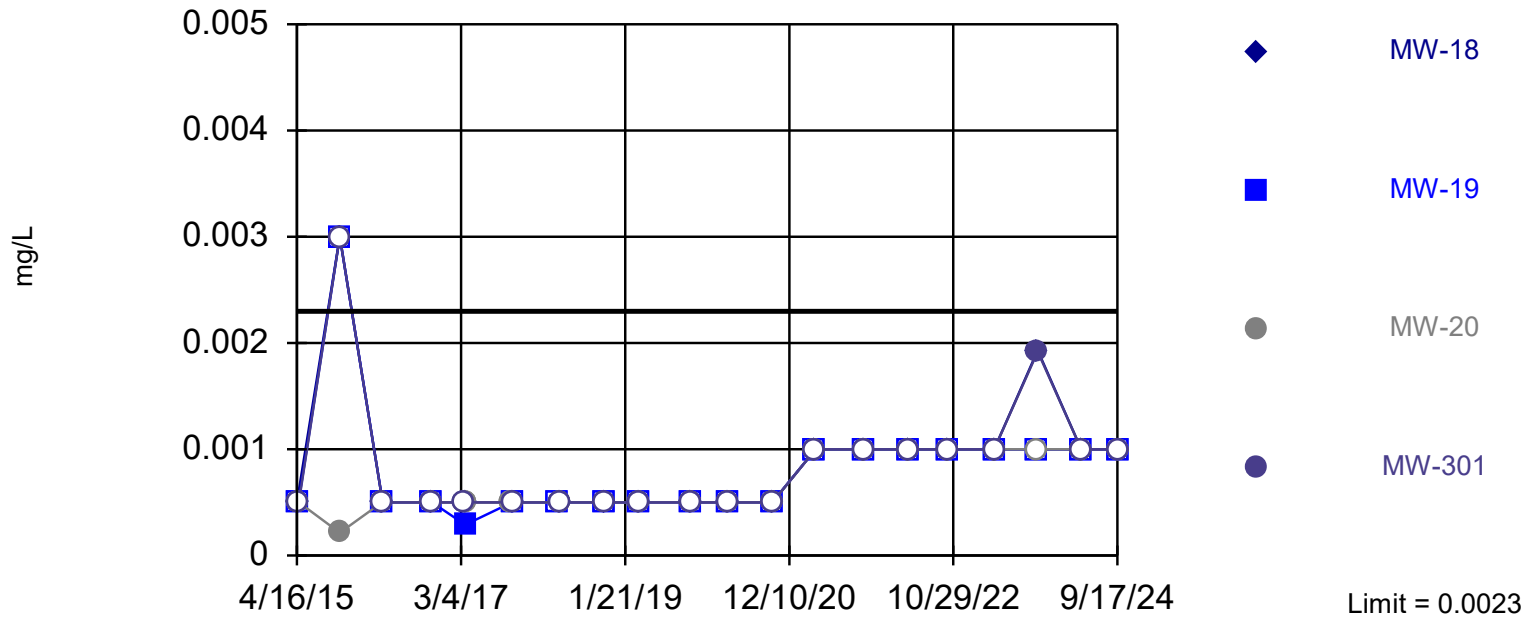
Constituent: Zinc Analysis Run 1/29/2025 8:45 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric



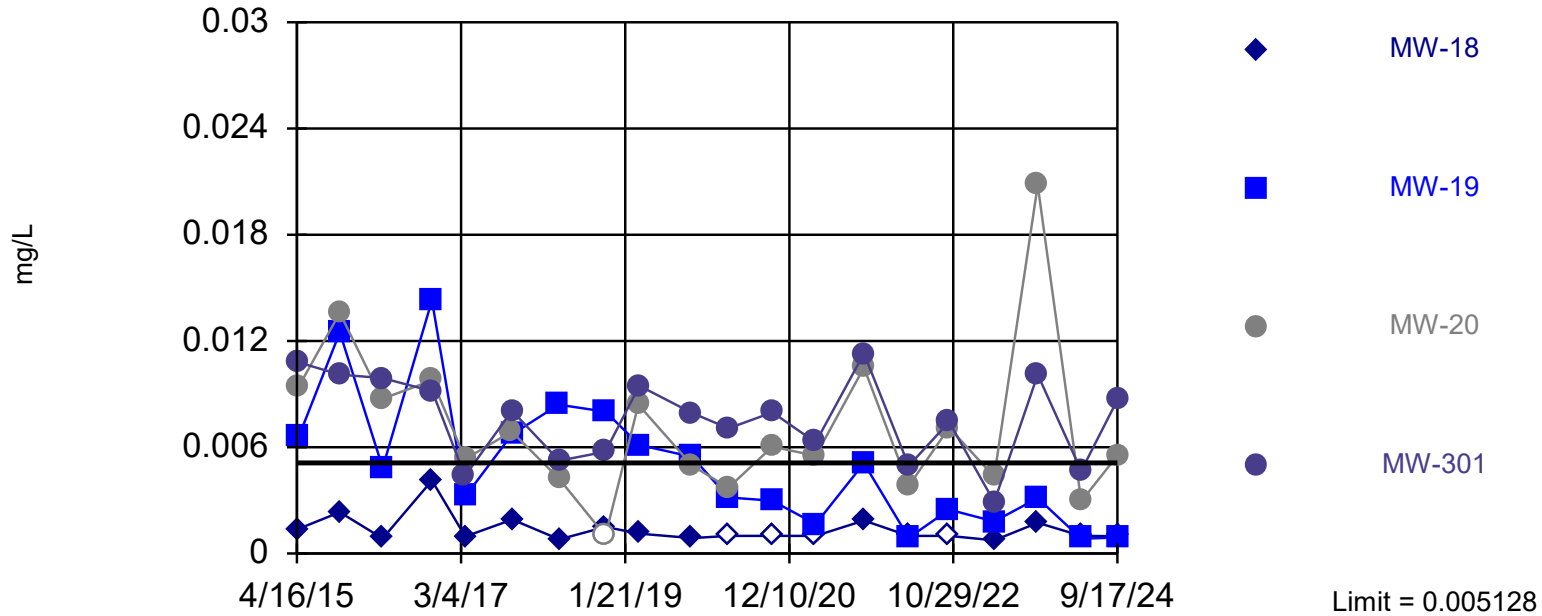
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 57.14% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).



Exceeds Limit: MW-20, MW-301

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

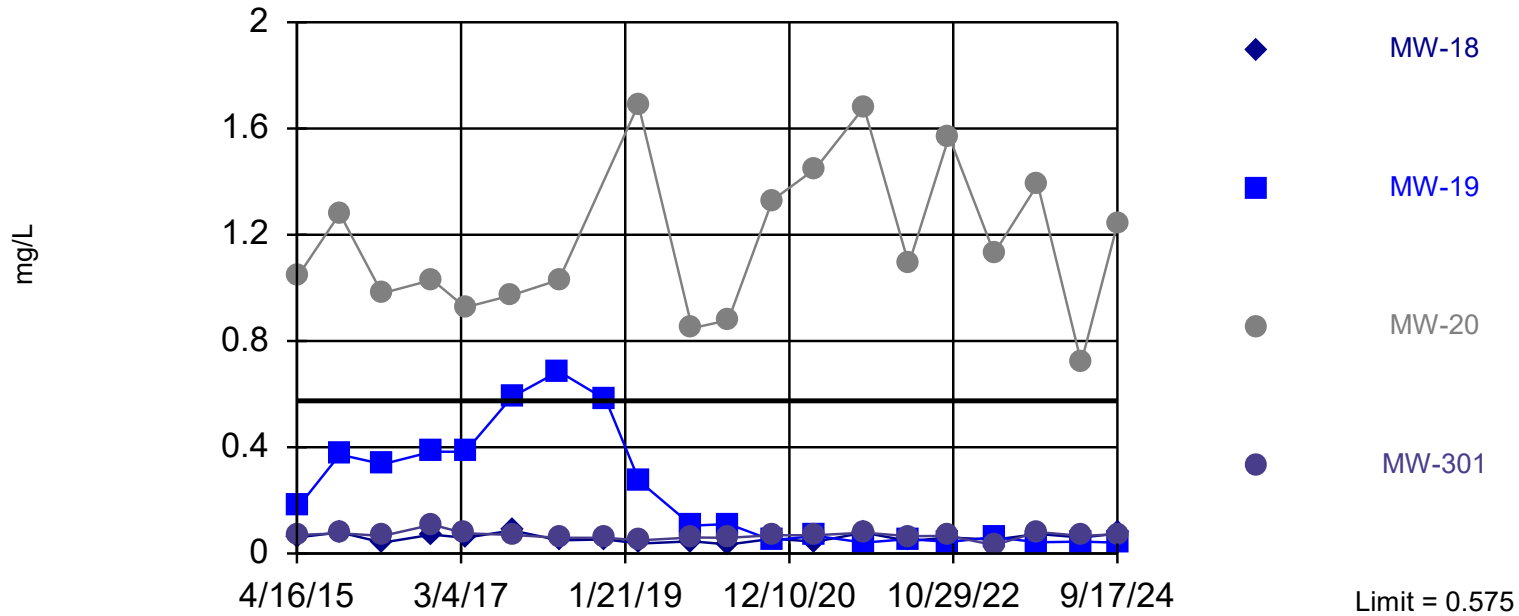
Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.502, Std. Dev.=0.5685, n=36, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.912. Kappa = 2.162 (c=11, w=16, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.0005985.

Exceeds Limit: MW-20

### Prediction Limit - Corrective Action Monitoring Interwell Non-parametric Assessment Constituents



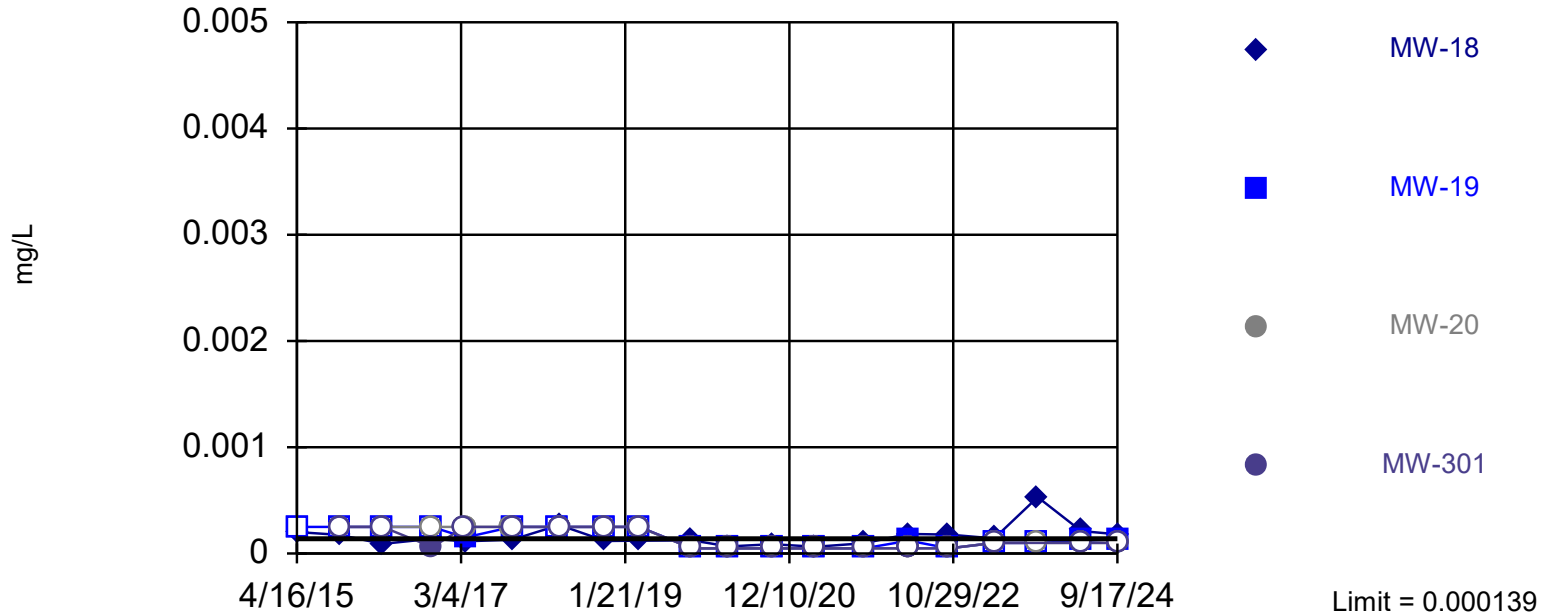
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Barium    Analysis Run 1/29/2025 8:47 PM  
Linn County SWAL    Client: Foth    Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric

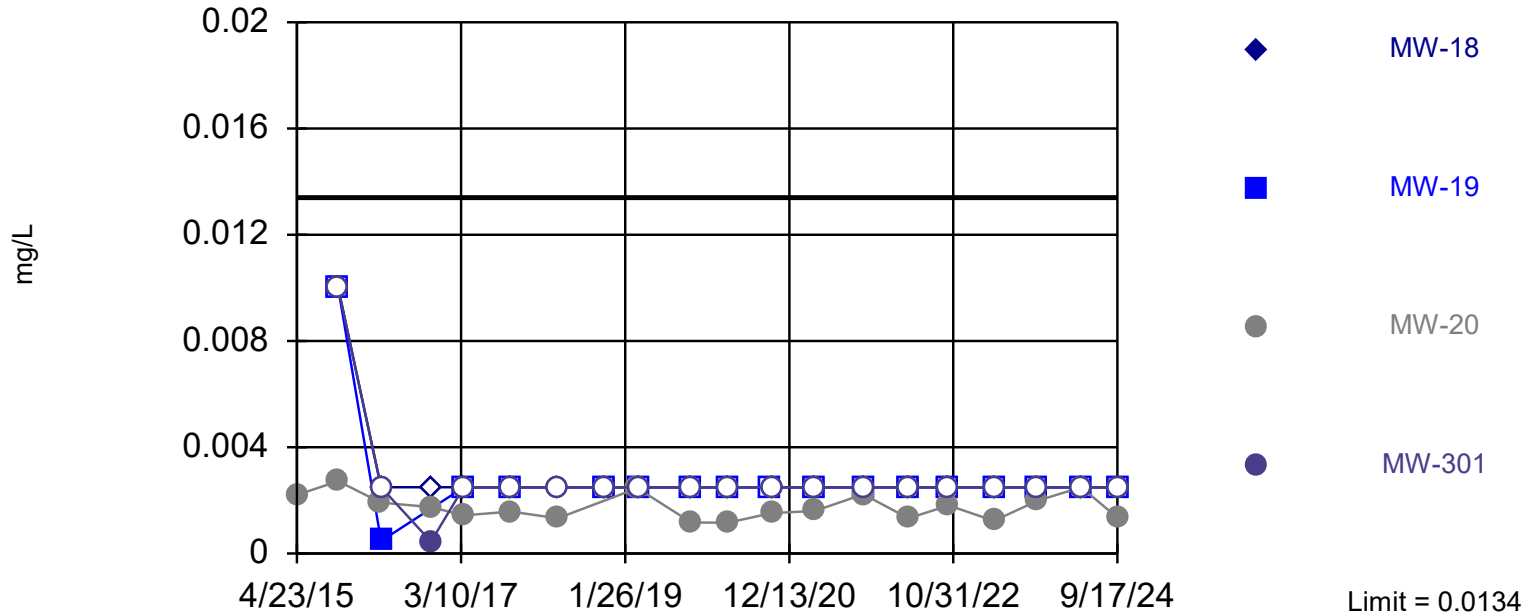


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Annual per-constituent alpha = 0.04861. Individual comparison alpha = 0.00311 (1 of 2).

Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

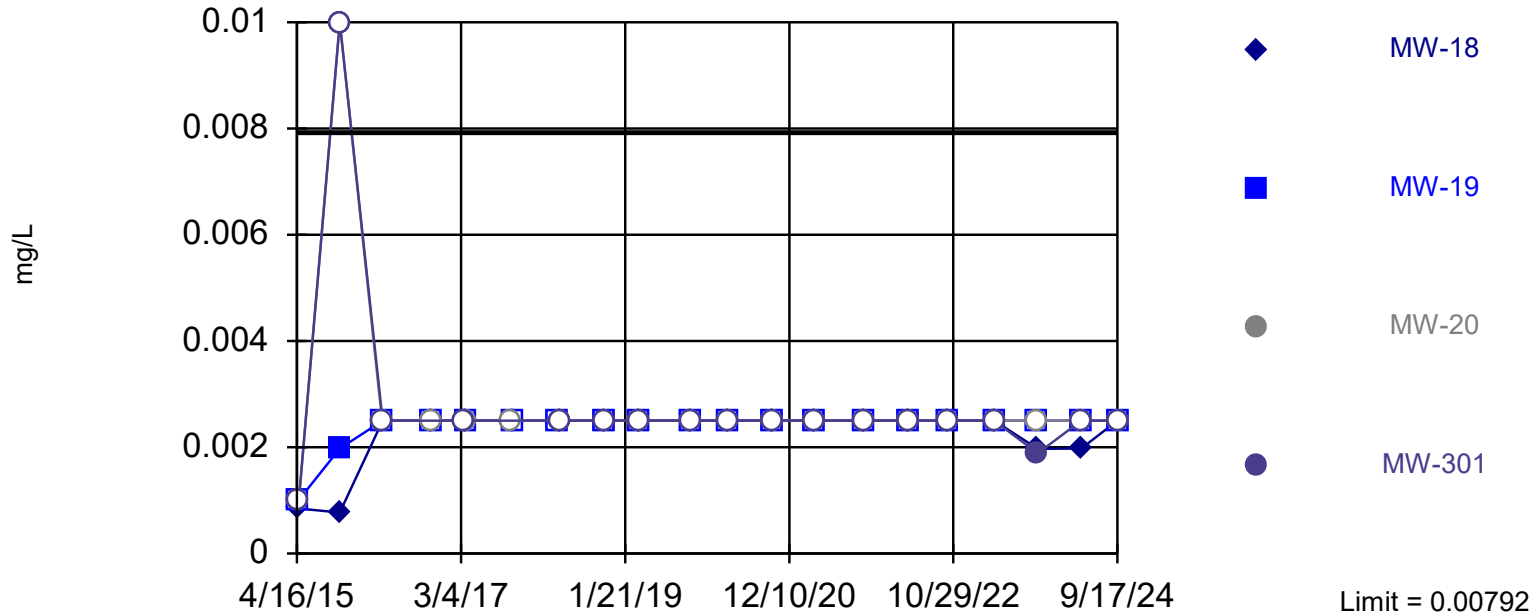
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 83.33% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Within Limit

Prediction Limit - Corrective Action Monitoring  
Assessment Constituents  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Annual per-constituent alpha = 0.02556. Individual comparison alpha = 0.001617 (1 of 2).

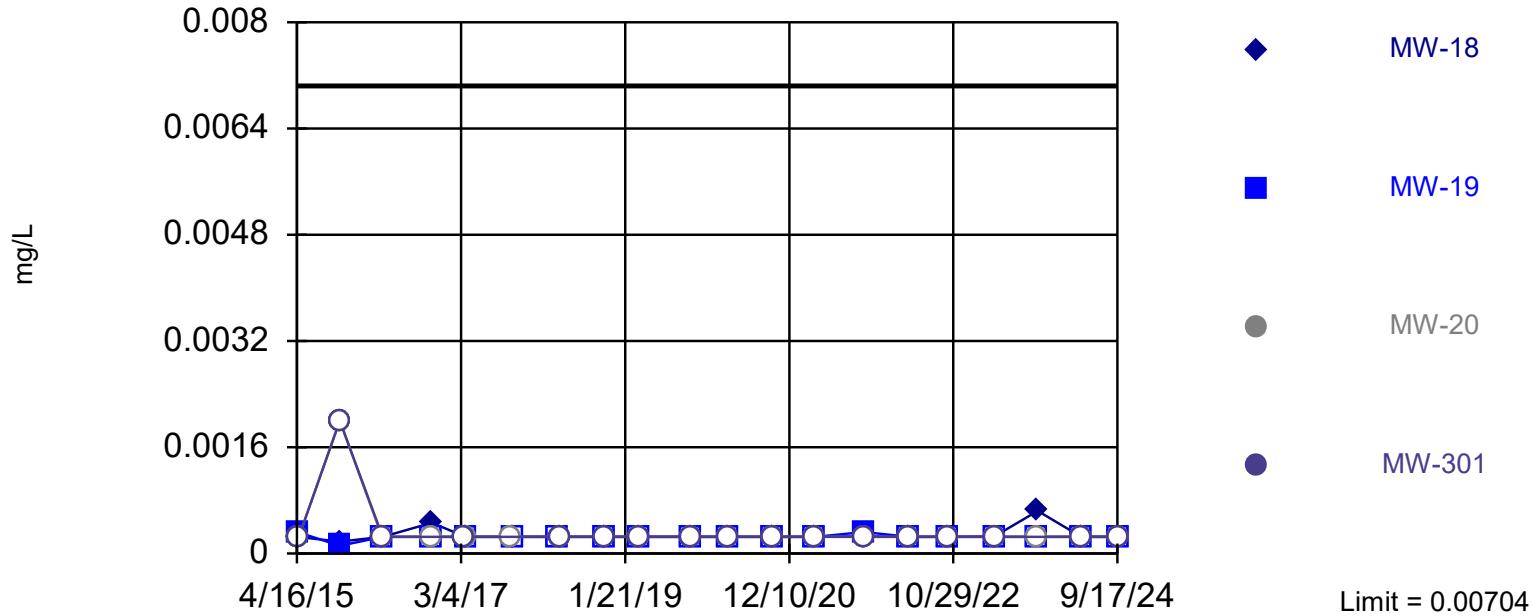
Constituent: Copper Analysis Run 1/29/2025 8:47 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric

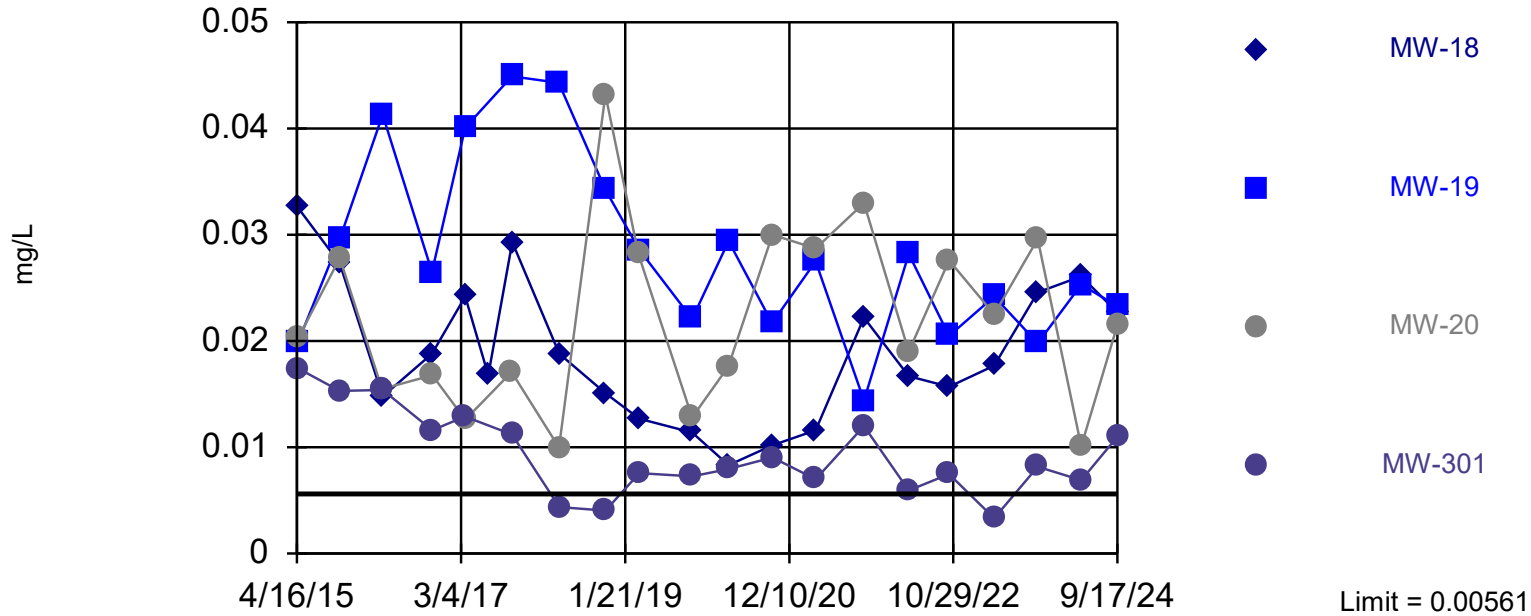


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 55.56% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Exceeds Limit: MW-18, MW-19, MW-20,  
MW-301

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric



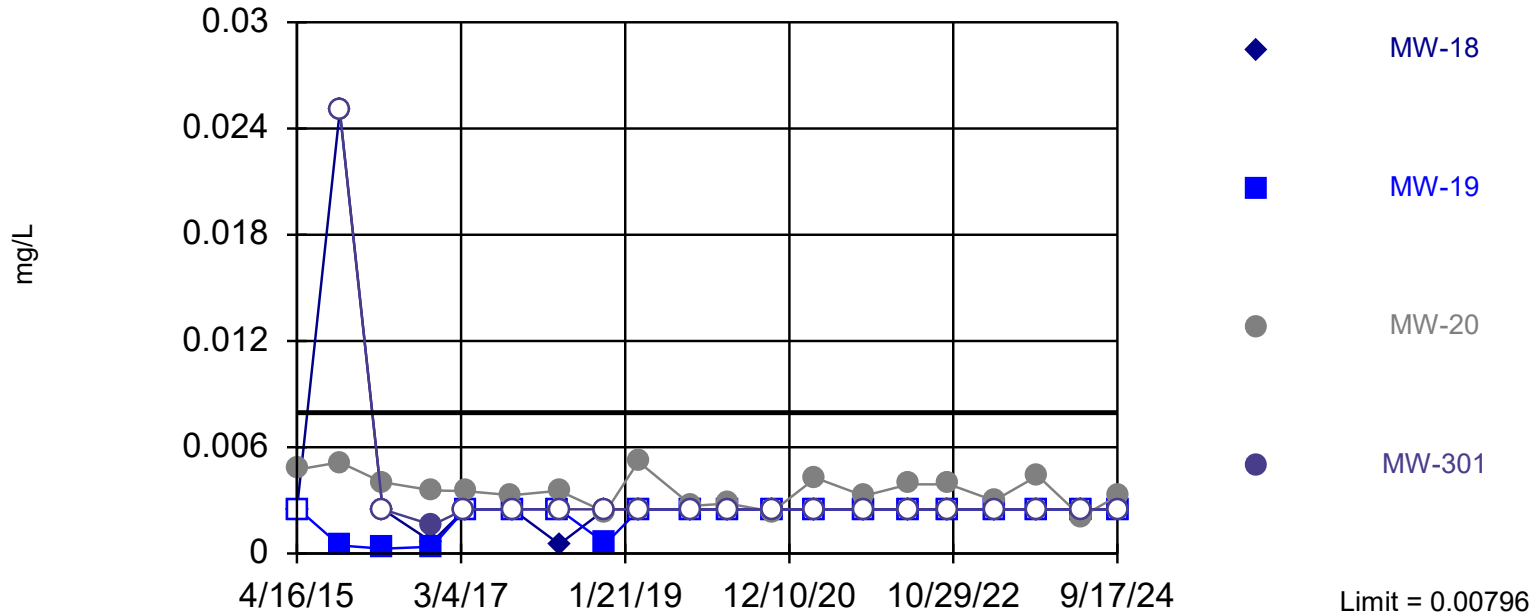
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 34 background values. 70.59% NDs. Annual per-constituent alpha = 0.02411. Individual comparison alpha = 0.001524 (1 of 2).

Constituent: Nickel Analysis Run 1/29/2025 8:47 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric



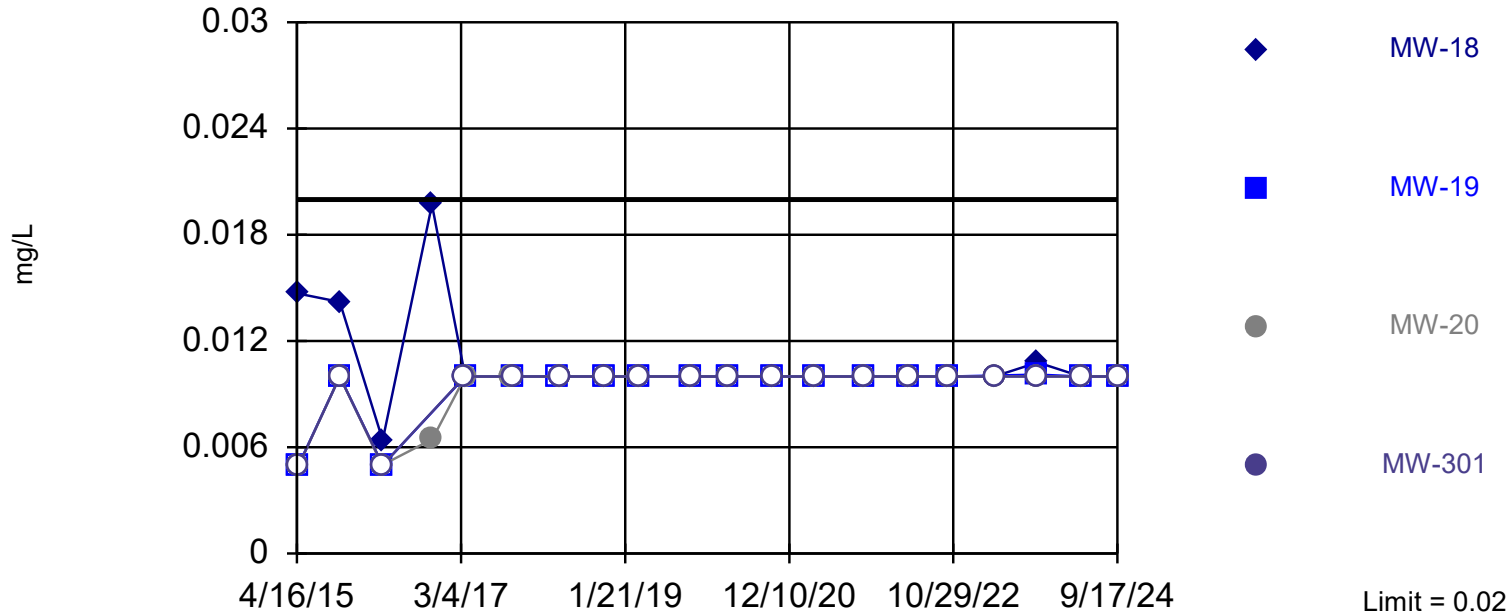
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Annual per-constituent alpha = 0.02266. Individual comparison alpha = 0.001432 (1 of 2).



Within Limit

### Prediction Limit - Corrective Action Monitoring Assessment Constituents

Interwell Non-parametric

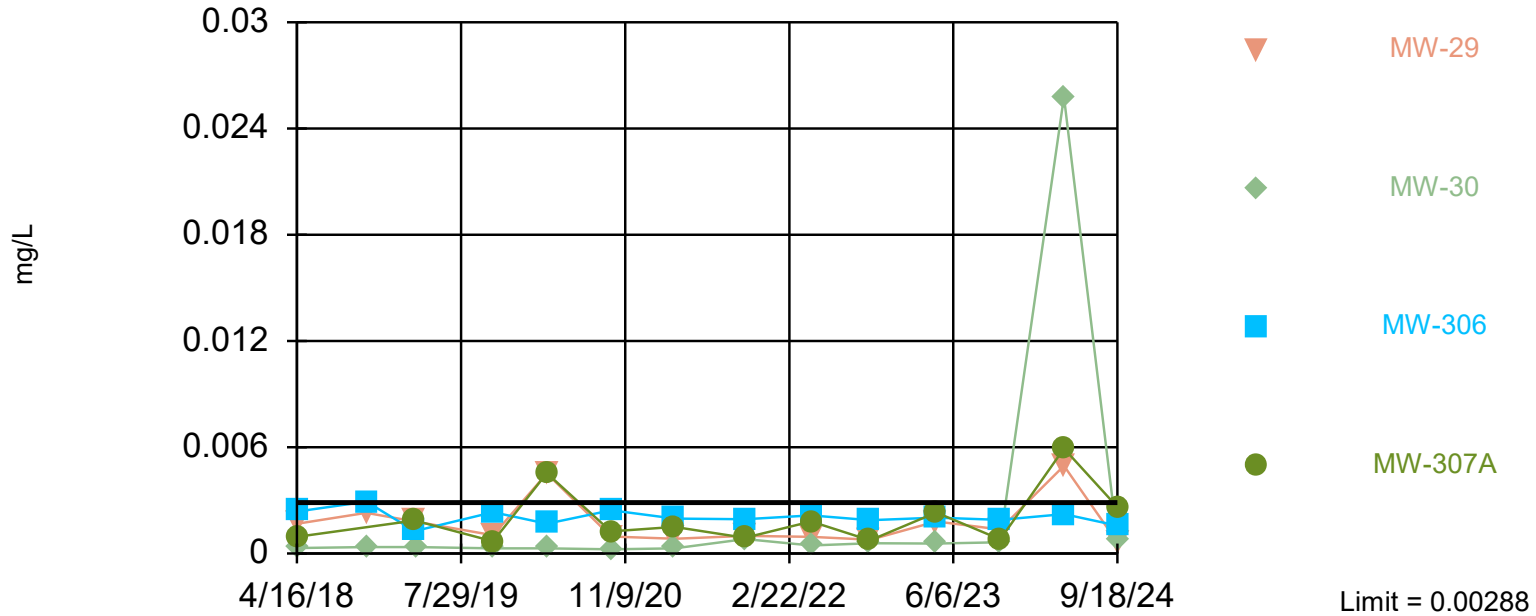


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Annual per-constituent alpha = 0.027. Individual comparison alpha = 0.001709 (1 of 2).

Within Limit

## Prediction Limit - Delineation Monitoring

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 36 background values. 22.22% NDs. Annual per-constituent alpha = 0.02168. Individual comparison alpha = 0.001369 (1 of 2).

Constituent: Cobalt Analysis Run 1/29/2025 9:20 AM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## **Attachment 3**

### **Sanitas Report Output for Double Quantification Rule Evaluations**

# Data Screening - Detection Monitoring

Analysis Run 1/30/2025 9:03 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 212 constituents in GU-1 in Sep. 2024:

-none-

# Data Screening - Detection Monitoring

Analysis Run 1/30/2025 9:04 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 213 constituents in GU-L in Sep. 2024:

-none-

# Data Screening - Detection Monitoring

Analysis Run 1/30/2025 9:05 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 215 constituents in GU-O in Sep. 2024:

Zinc, GU-O, 9/19/2024: 0.0267 mg/L

# Data Screening - Detection Monitoring

Analysis Run 1/30/2025 9:05 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 214 constituents in GU-P in Sep. 2024:

-none-

# Data Screening - Detection Monitoring

Analysis Run 1/30/2025 4:06 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 212 constituents in MW-501 in Sep. 2024:

Zinc, MW-501, 9/17/2024: 0.0255 mg/L



# Data Screening - Assessment Monitoring

Analysis Run 1/30/2025 9:09 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 207 constituents in MW-15, MW-22, MW-24, MW-26A, MW-300, MW-302R, MW-303, MW-304R, and MW-305 in Sep. 2024:

1,4-Dichlorobenzene, MW-300, 9/17/2024: 1.87 ug/L

Benzene, MW-22, 9/18/2024: 1.46 ug/L

Chlorobenzene, MW-300, 9/17/2024: 1.75 ug/L

# Data Screening - Corrective Action Monitoring

Analysis Run 1/30/2025 9:12 AM

## Assessment Constituents

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for 207 constituents in MW-18, MW-19, MW-20, and MW-301 in Sep. 2024:

1,4-Dichlorobenzene, MW-19, 9/17/2024: 2.28 ug/L

Chlorobenzene, MW-19, 9/17/2024: 1.57 ug/L

Chlorobenzene, MW-20, 9/17/2024: 6.09 ug/L

Chlorobenzene, MW-301, 9/17/2024: 1.01 ug/L

# Data Screening - Delineation Monitoring

Analysis Run 1/30/2025 9:16 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

---

A listing of detects for Benzene in MW-29, MW-30, MW-306, and MW-307A in Sep. 2024:

-none-

## **Attachment 4**

### **Sanitas Report Output for Confidence Interval Calculations & Confidence Bands around a Trend Line**

**Calculation of Cobalt Upper Tolerance Limit with 95% Coverage and 95% Confidence <sup>(1)</sup>**

Constituent Name	Upper Limit	Background N	Background Wells	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method	Minimum Achieved Coverage
Cobalt (mg/l)	0.00288	36	MW-9AR, MW-201B	n/a	n/a	22	n/a	n/a	0.05563	NP Inter(normality)	92%

<sup>(1)</sup> Note that a nonparametric tolerance limit was utilized in the background as the cobalt GWPS calculation. Since a nonparametric limit was used, the minimum achieved tolerance limit coverage is less than 95%. This implies the upper tolerance limit gives a conservative estimate as the GWPS and is lower than what would be allowed with the *Unified Guidance* (USEPA, 2009) recommendation of an upper tolerance limit with 95% coverage.

**Confidence Interval**

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit <sup>(2)</sup>	Exceed <sup>(2)</sup>	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 <sup>(3,4)</sup>	a to Achieve 80% Power at R=2.0 <sup>(3,4)</sup>	% Non-detects	Non-detect Adjustment	Transfor mation	Alpha	Method
<b>Assessment Monitoring Locations</b>																
1,4-Dichlorobenzene (ug/L)	MW-300	1.0	0.3	75	No	20	1.0	1.0	1.0	0.02	<0.01	45	None	No	0.02	NP (normality)
Arsenic (mg/L)	MW-26A	0.0029	0.0010	0.01	No	18	0.0035	0.0054	1.5	0.02	<0.01	61	None	No	0.02	NP (NDs)
Barium (mg/L)	MW-22	1.10	1.02	2	No	20	1.06	0.07	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-26A	0.20	0.09	2	No	17	0.17	0.15	0.9	0.03	<0.01	0	None	No	0.03	NP (normality)
Benzene (ug/L)	MW-22	1.40	1.16	5	No	20	1.28	0.21	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Cadmium (mg/L)	MW-300	0.00024	0.00007	0.005	No	20	0.00017	0.00013	0.8	0.02	<0.01	30	None	No	0.02	NP (normality)
Chlorobenzene (ug/L)	MW-300	2.1	0.5	100	No	20	1.3	1.2	0.9	0.02	<0.01	45	None	No	0.02	NP (normality)
Cobalt (mg/L)	MW-15	0.00272	0.00157	0.00631	No	22	0.00215	0.00107	0.5	<0.01	<0.01	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-26A	0.02890	0.00080	0.00631	No	18	0.02060	0.03613	1.8	0.02	<0.01	0	None	No	0.02	NP (normality)
Cobalt (mg/L)	MW-304R	0.00896	0.00108	0.00631	No	23	0.00460	0.00392	0.9	0.01	<0.01	9	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-15	0.008	0.006	0.1	No	22	0.007	0.002	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-22	0.035	0.032	0.1	No	19	0.034	0.003	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-24	0.044	0.032	0.1	No	22	0.038	0.011	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-26A	0.012	0.007	0.1	No	18	0.015	0.015	1.0	0.02	<0.01	0	None	No	0.02	NP (normality)
Nickel (mg/L)	MW-300	0.015	0.008	0.1	No	20	0.011	0.008	0.7	0.03	0.02	10	None	No	0.03	Param.
Nickel (mg/L)	MW-303	0.054	0.003	0.1	No	23	0.025	0.028	1.1	0.01	<0.01	9	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-304R	0.007	0.003	0.1	No	22	0.005	0.003	0.6	0.01	<0.01	9	None	No	0.01	Param.
<b>Corrective Action Monitoring Locations - Assessment Constituents</b>																
1,4-Dichlorobenzene (ug/L)	MW-19	4.2	2.0	75	No	20	3.1	1.9	0.6	0.01	<0.01	15	None	No	0.01	Param.
Arsenic (mg/L)	MW-20	0.0094	0.0042	0.01	No	20	0.0071	0.0044	0.6	0.02	<0.01	5	None	No	0.02	NP (normality)
Arsenic (mg/L)	MW-301	0.0090	0.0063	0.01	No	20	0.0076	0.0024	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-20	1.34	1.01	2	No	19	1.17	0.28	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-19	5.4	2.7	100	No	20	4.1	2.4	0.6	<0.01	<0.01	5	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-20	8.1	5.9	100	No	20	7.0	1.9	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-301	0.9	0.5	100	No	20	0.7	0.3	0.4	0.02	<0.01	35	None	No	0.02	NP (normality)
Nickel (mg/L)	MW-18	0.023	0.015	0.1	No	21	0.019	0.007	0.4	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-19	0.033	0.023	0.1	No	20	0.028	0.009	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-20	0.027	0.017	0.1	No	20	0.022	0.009	0.4	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-301	0.012	0.007	0.1	No	20	0.009	0.004	0.4	<0.01	<0.01	0	None	No	0.01	Param.
<b>Corrective Action Monitoring Locations - Corrective Action Constituents</b>																
Benzene (ug/L)	MW-20	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data since Apr. 2015.														
Cobalt (mg/L)	MW-18	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data since Apr. 2015.														
Cobalt (mg/L)	MW-19	0.0148	0.01271	0.00288	Yes	20	0.01373	0.00346	0.3	N/A	N/A	0	None	No	0.1	Param.
Cobalt (mg/L)	MW-20	0.0045	0.00373	0.00631	No	20	0.00410	0.00125	0.3	N/A	N/A	0	None	No	0.1	Param.
Cobalt (mg/L)	MW-301	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data since Apr. 2015.														

<sup>(1)</sup> Value is the 40 CFR Part 141 Safe Drinking Water Act MCL, the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source, or Background in the case of cobalt. Two site-specific background GWPS values are utilized for cobalt depending on the geologic formation of the screened interval and location of the monitoring well, which is further discussed in the Fall 2024 statistical evaluation memo.

<sup>(2)</sup> Under assessment mode, an SSL is indicated when the lower confidence limit exceeds the groundwater protection standard (compliance limit).

Under corrective action mode, an SSL is rejected when the upper confidence limit lies below the groundwater protection standard (compliance limit).

<sup>(3)</sup> For parametric confidence intervals: Except where otherwise indicated, based on Unified Guidance Equation 22.2, i.e.,  $\alpha \sim 1 - F_{T;n-1} \left( \frac{(R-1)\sqrt{n}}{R \cdot CV} - t_{1-\beta;n-1} \right)$

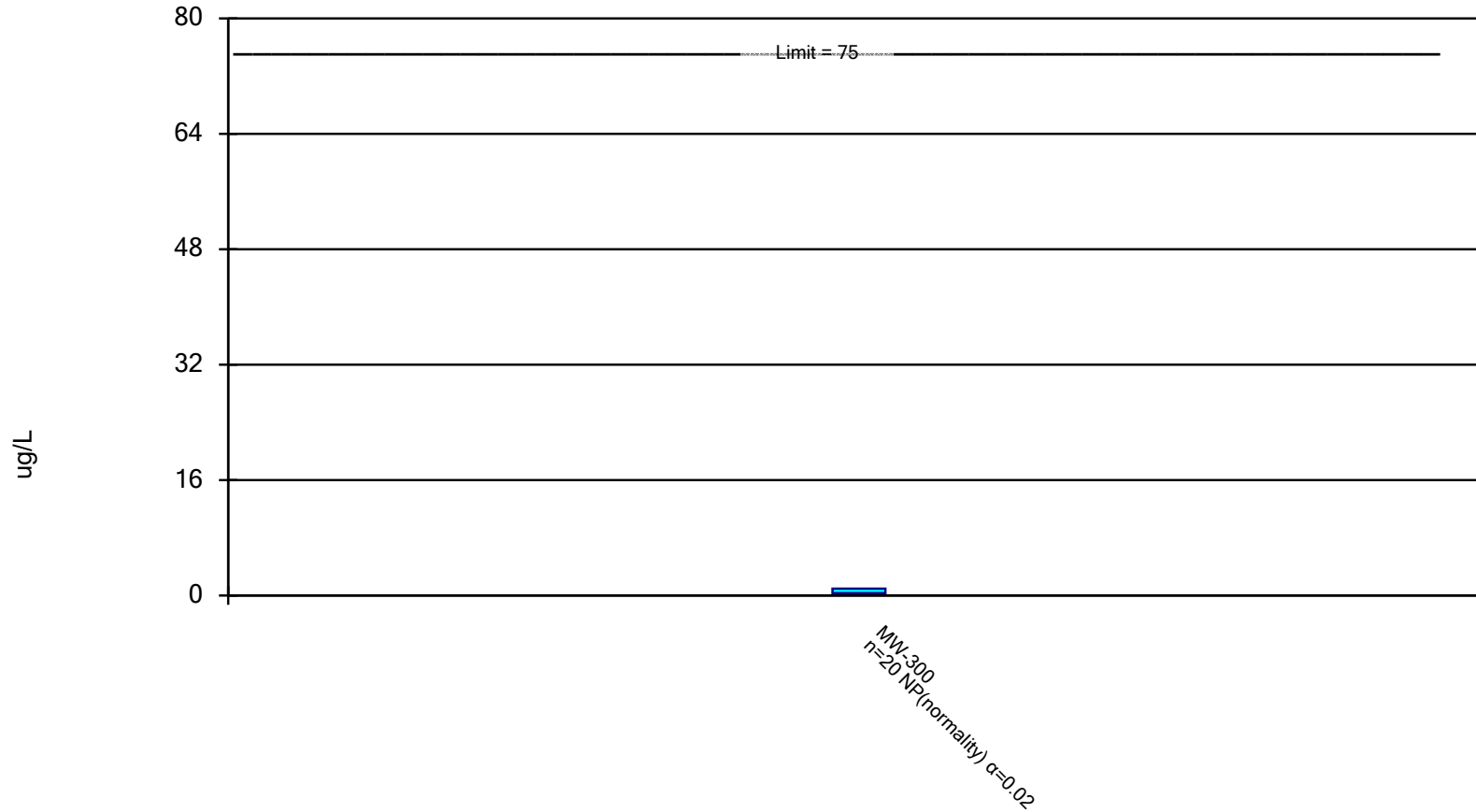
where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation,  $t_{1-\beta;n-1}$  is the (1-β) Student's t-quantile with (n-1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

<sup>(4)</sup> For non-parametric confidence intervals: Based on Unified Guidance Equation 22.1, i.e.,  $1 - \beta = G_{T;n-1}(t_{1-\alpha;n-1} | \Delta = \sqrt{n}(R-1))$

where R is the desired risk ratio,  $t_{1-\alpha;n-1}$  is the (1-α) Student's t-quantile with (n-1) degrees of freedom and G represents the cumulative non-central t-distribution with (n-1) degrees of freedom and noncentrality parameter D.

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

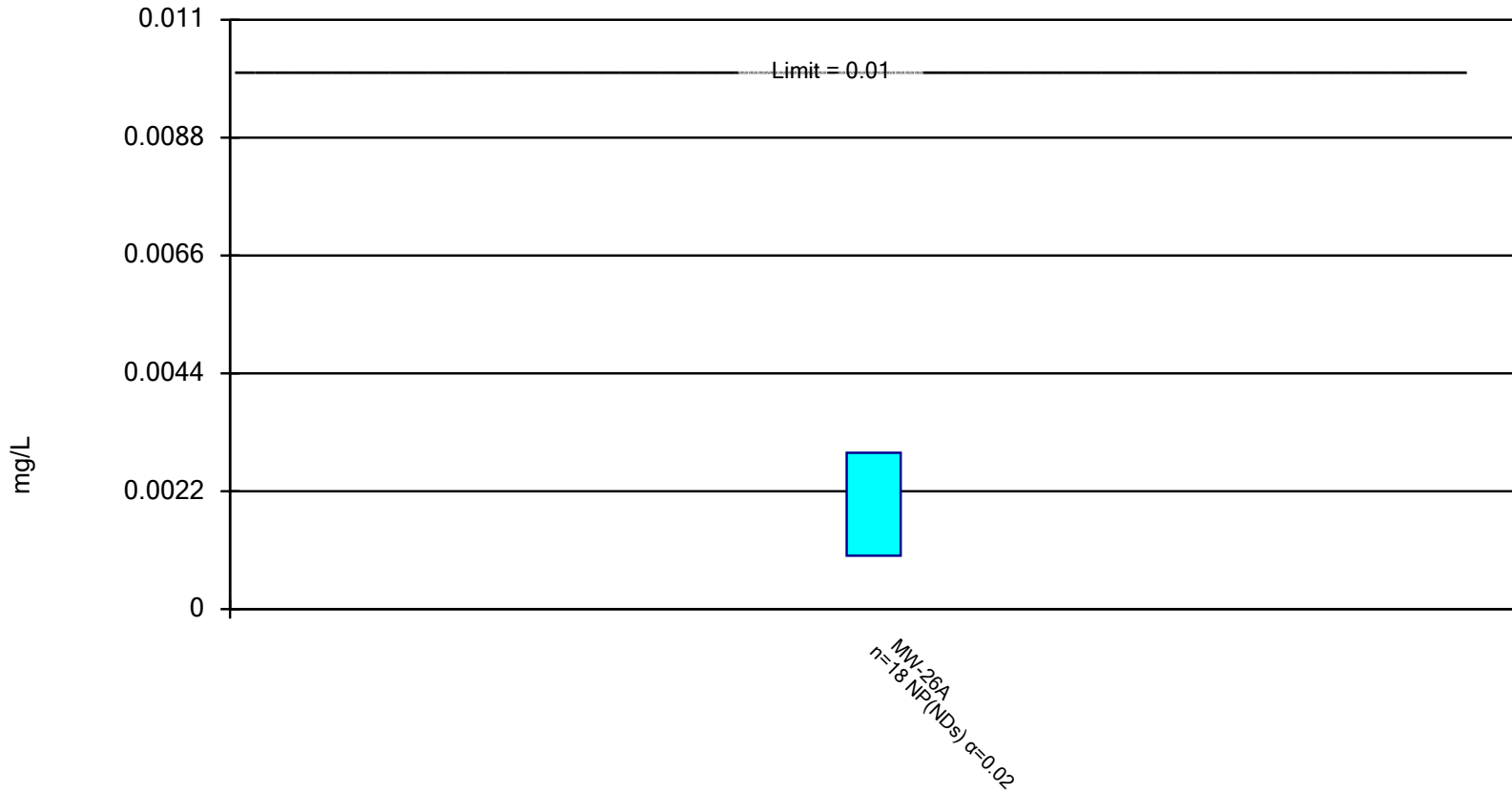


Constituent: 1,4-Dichlorobenzene Analysis Run 2/3/2025 2:36 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.



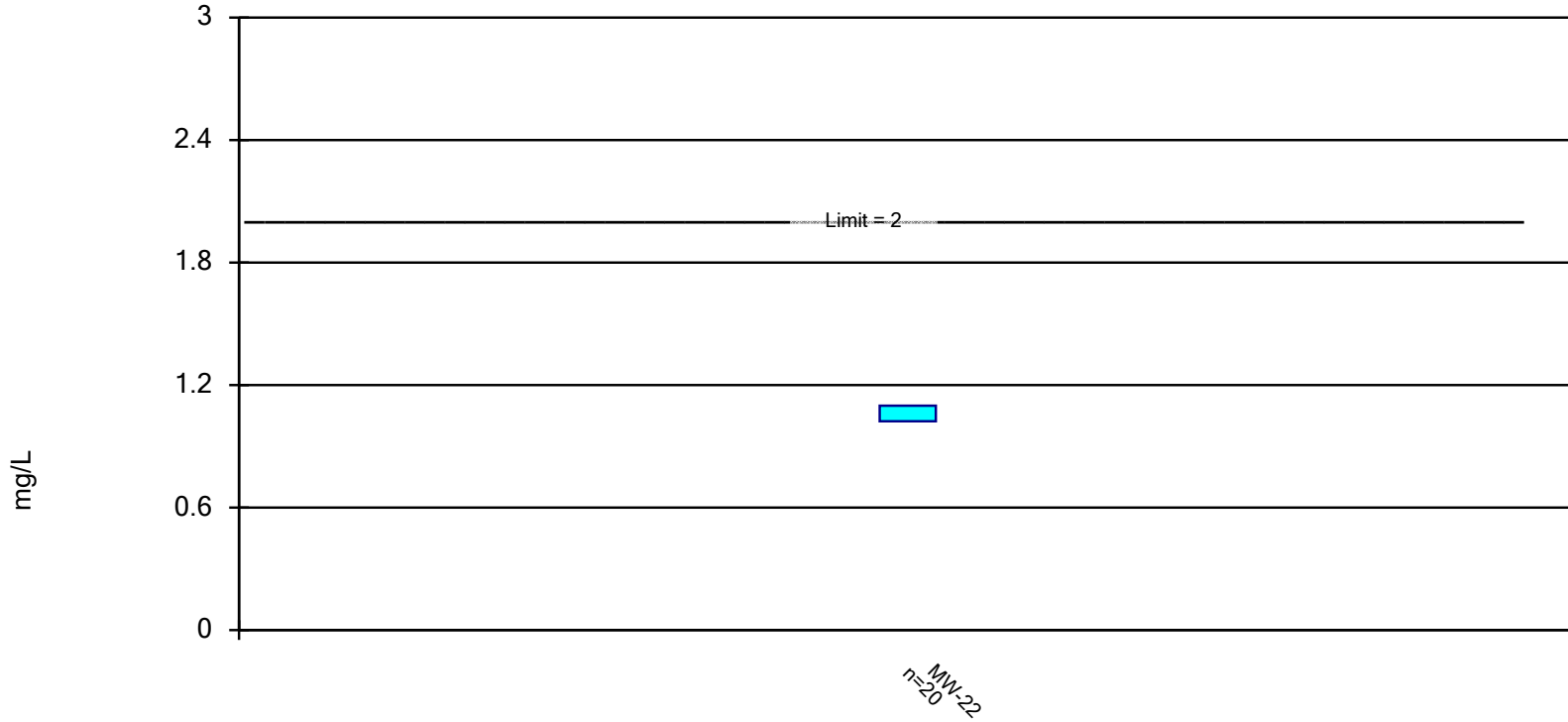
Constituent: Arsenic Analysis Run 2/3/2025 2:37 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



## Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

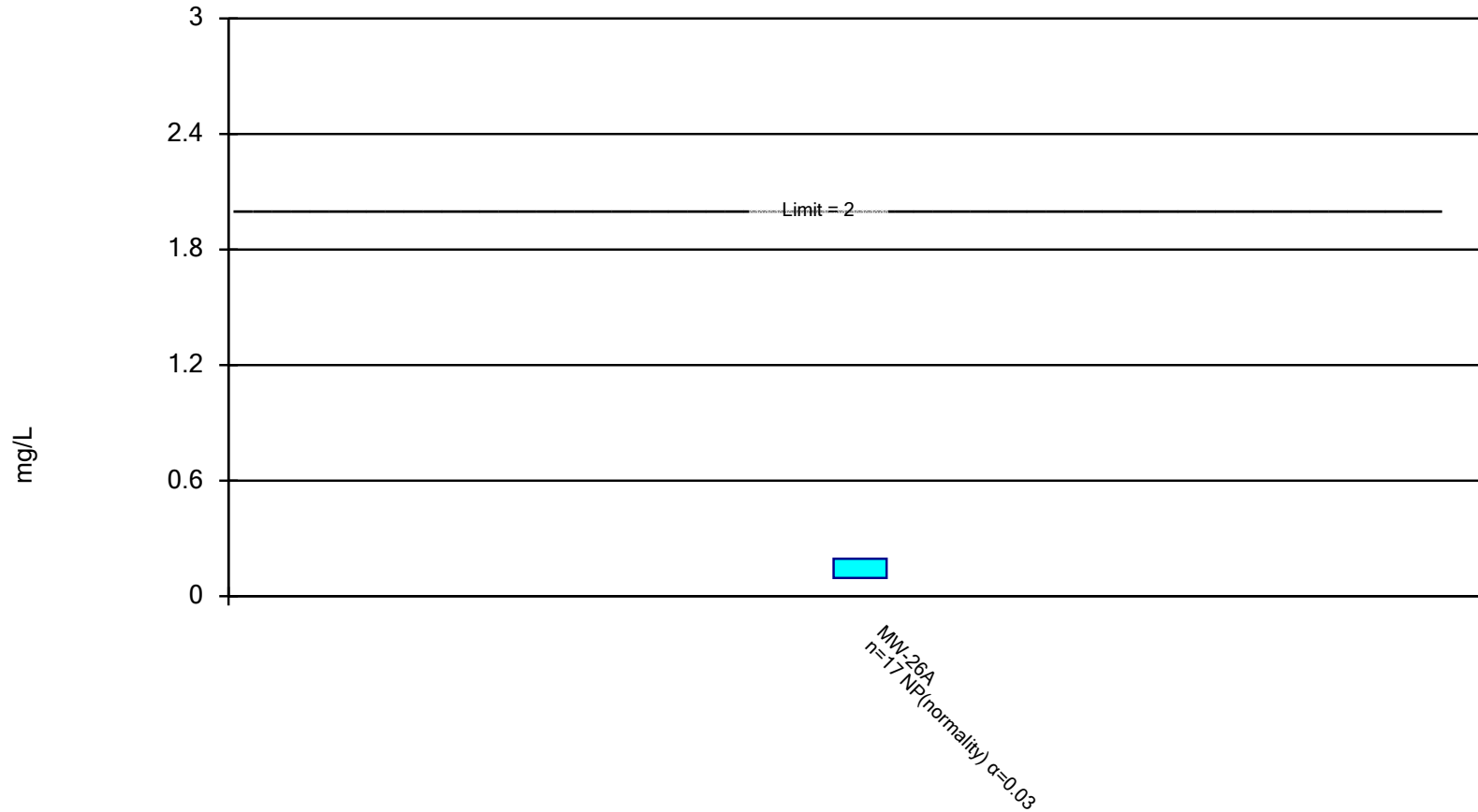


Constituent: Barium Analysis Run 2/3/2025 3:01 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

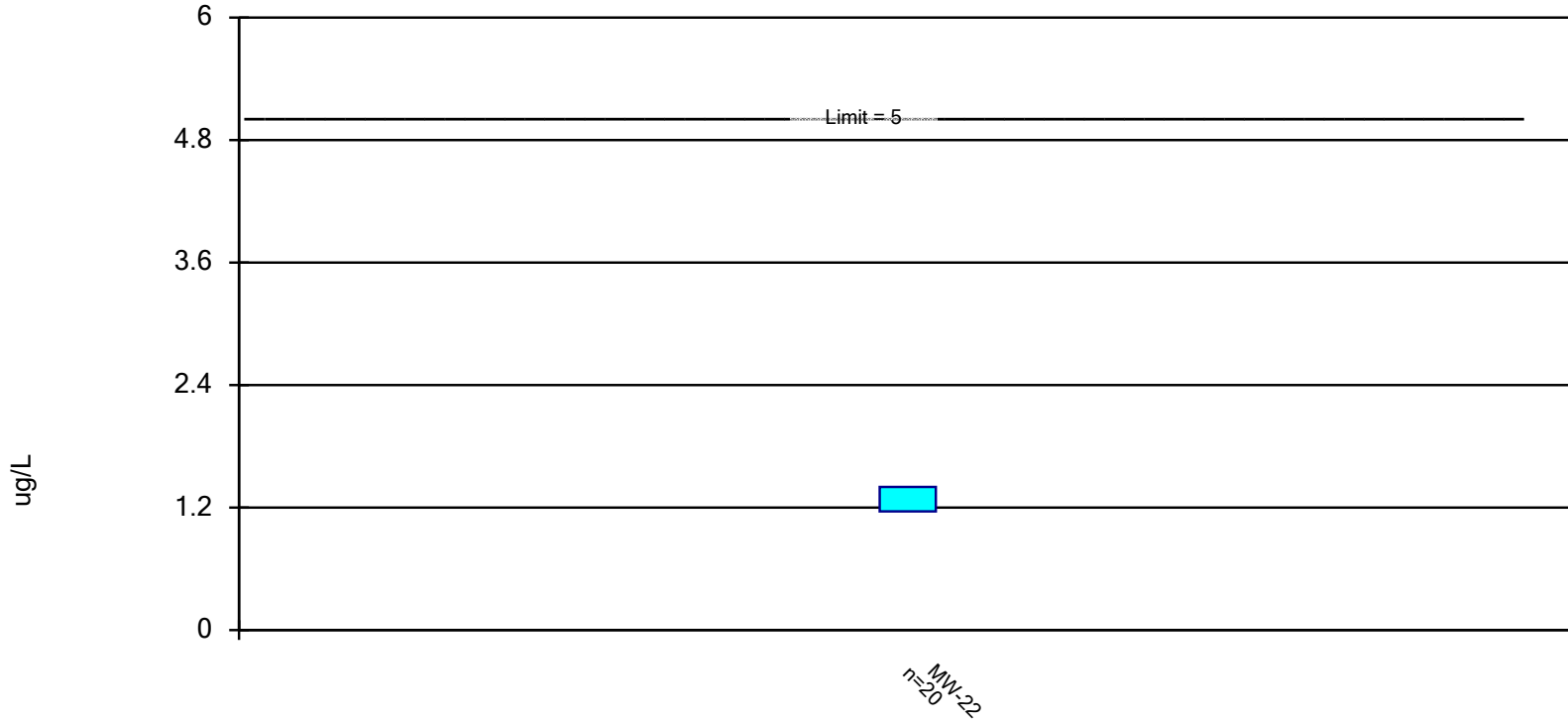


Constituent: Barium Analysis Run 2/3/2025 2:56 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric Confidence Interval - Assessment Monitoring

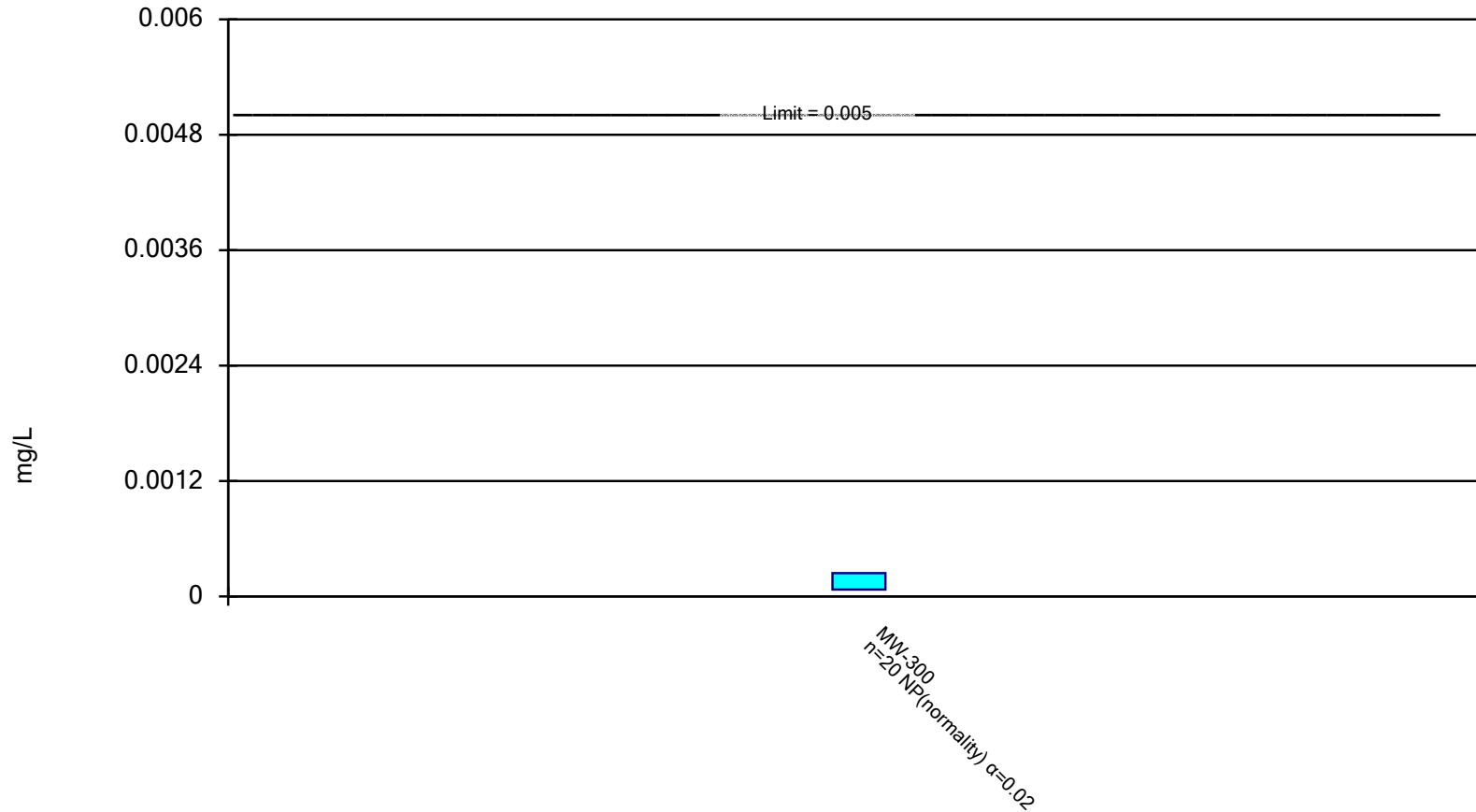
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 2/3/2025 3:01 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

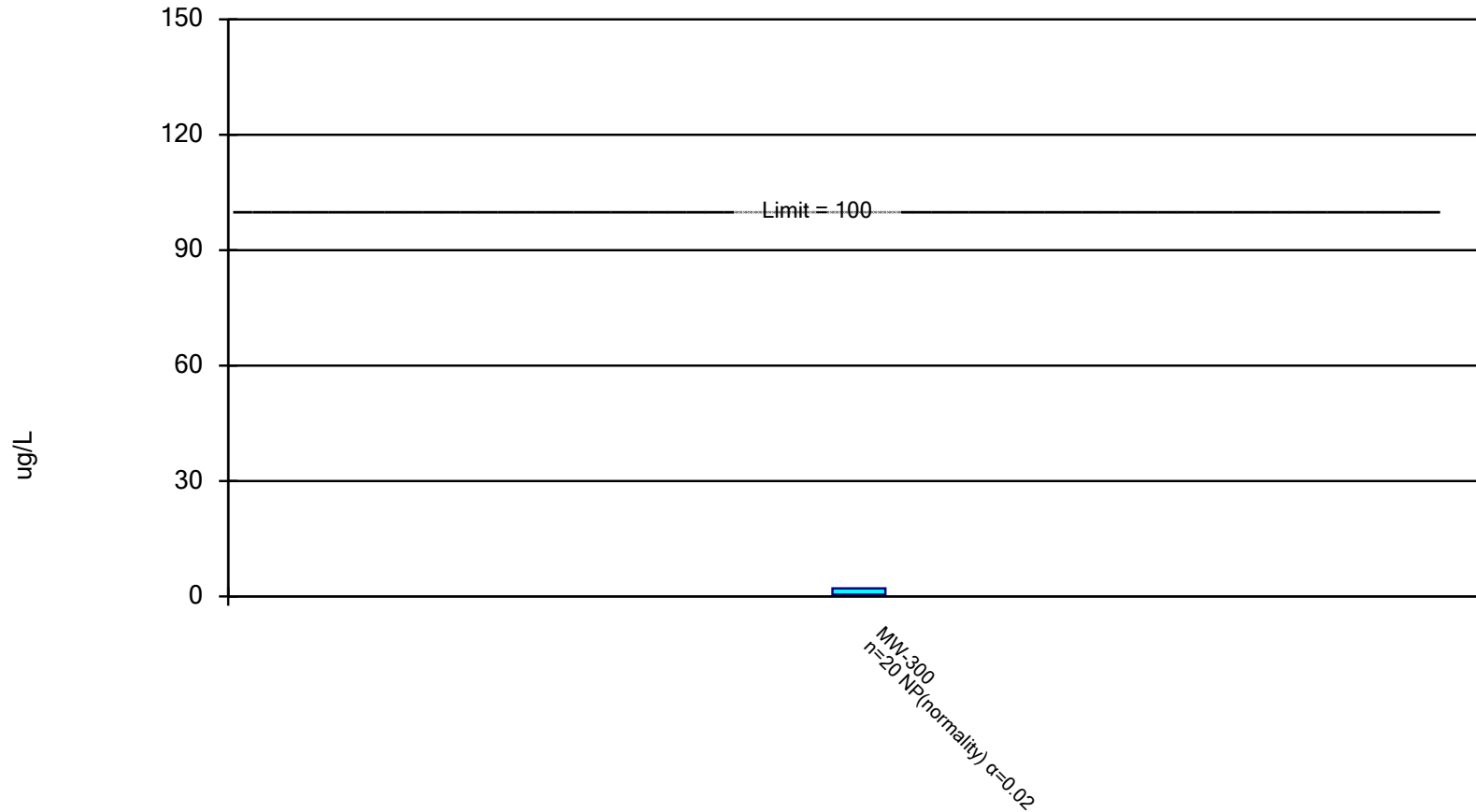


Constituent: Cadmium Analysis Run 2/3/2025 2:36 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

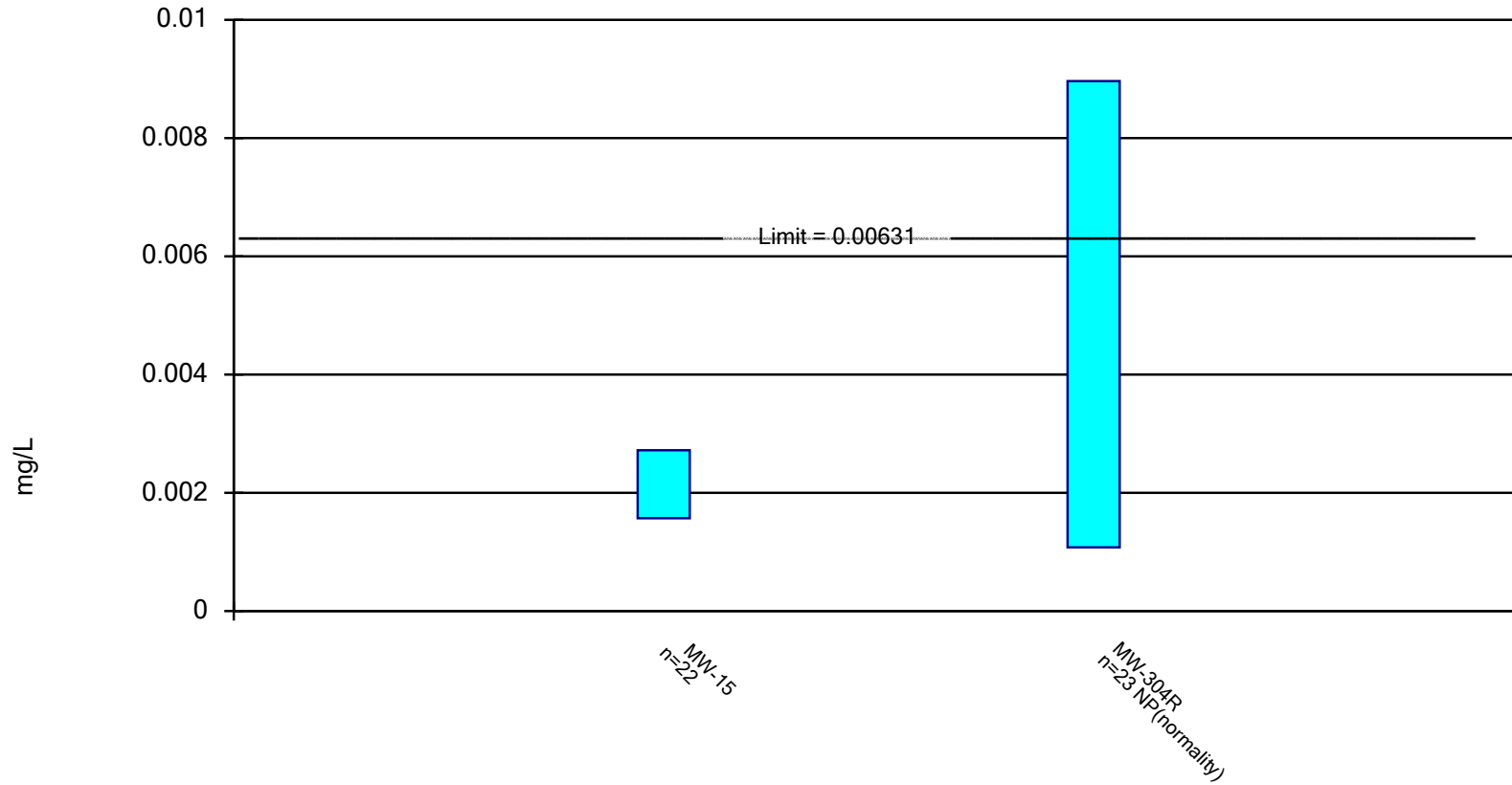


Constituent: Chlorobenzene Analysis Run 2/3/2025 4:29 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric and Non-Parametric (NP) Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

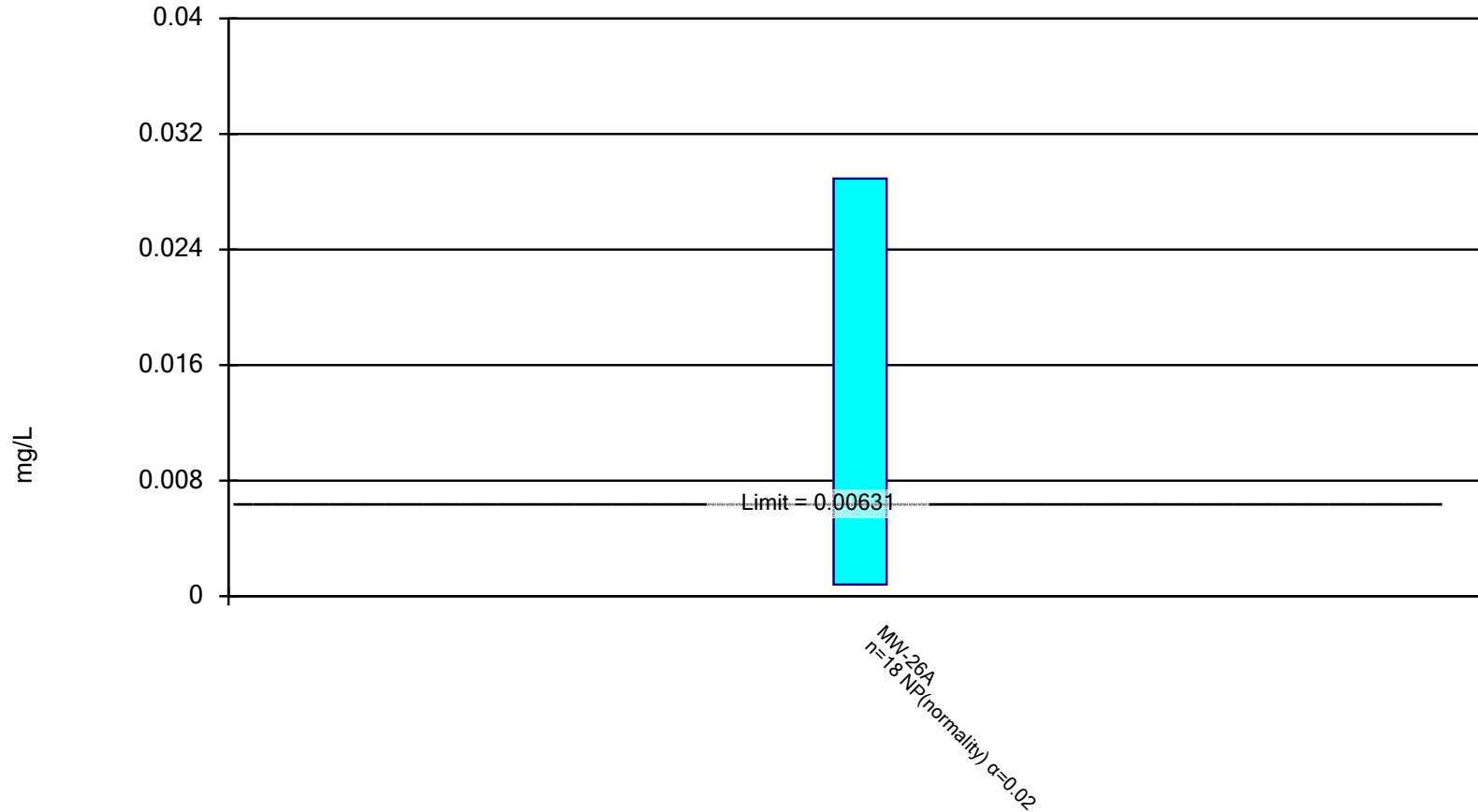


Constituent: Cobalt Analysis Run 2/3/2025 6:12 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

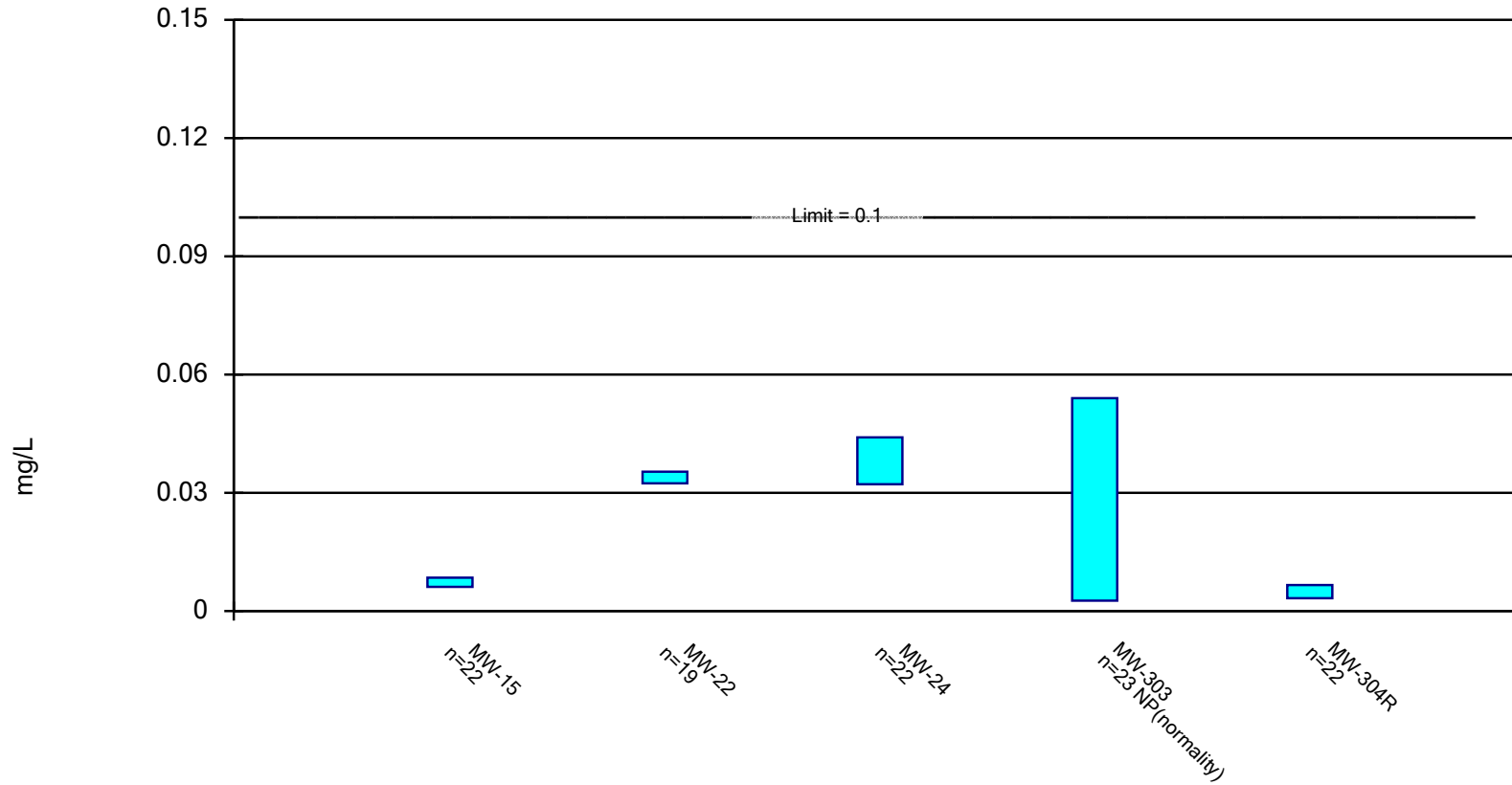


Constituent: Cobalt Analysis Run 2/3/2025 6:14 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric and Non-Parametric (NP) Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



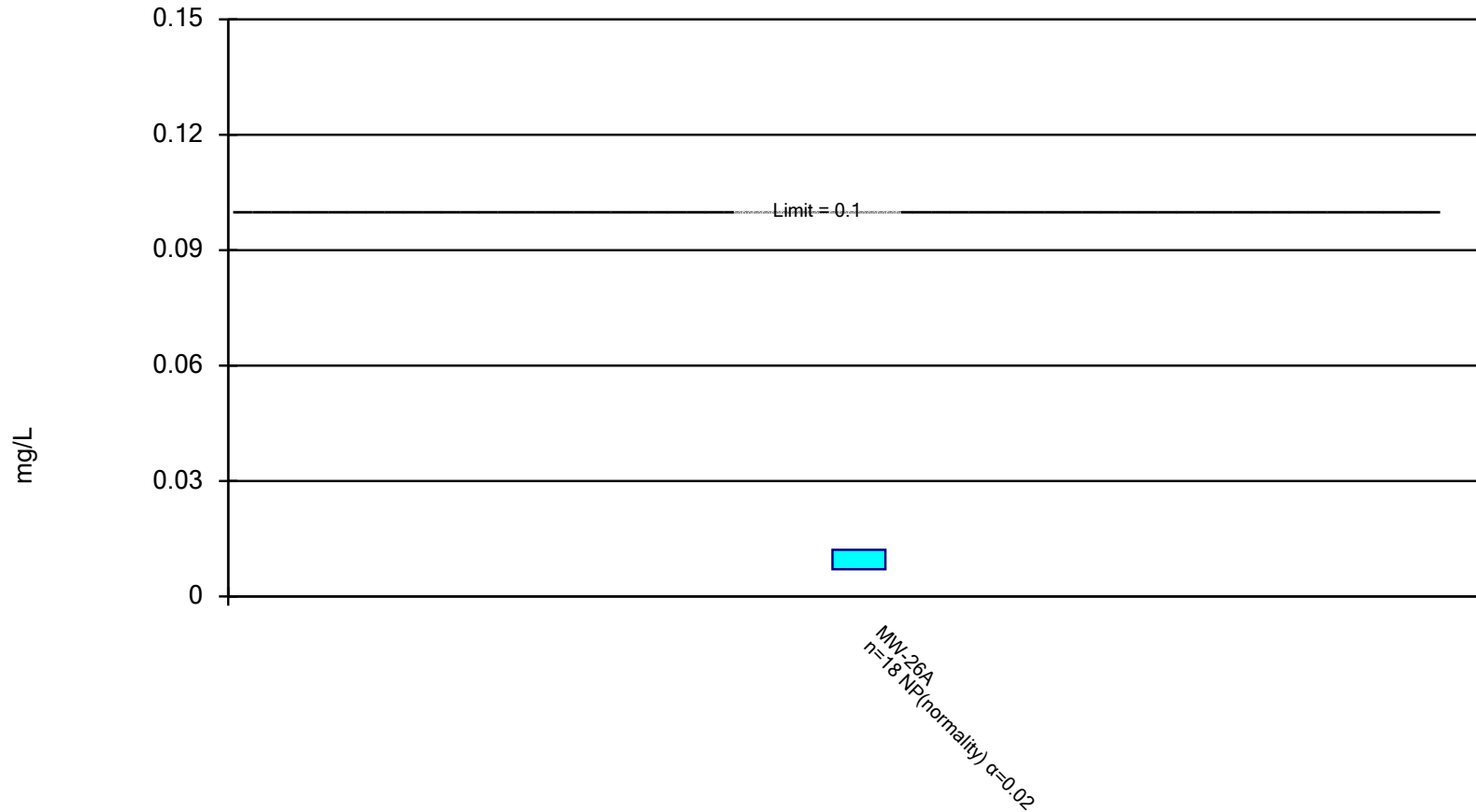
Constituent: Nickel Analysis Run 2/3/2025 3:01 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



# Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.

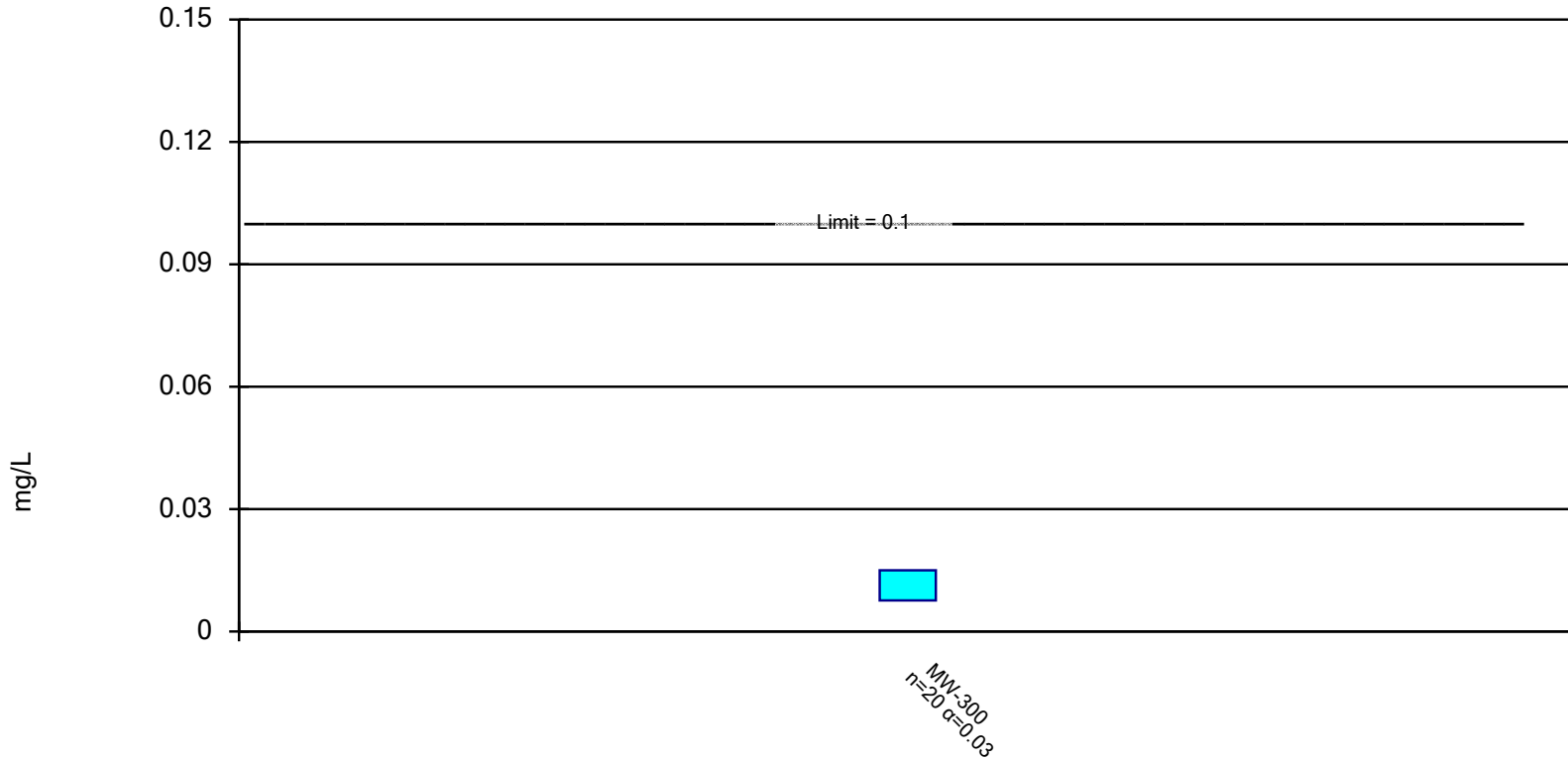


Constituent: Nickel Analysis Run 2/3/2025 2:36 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 2/3/2025 2:56 PM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

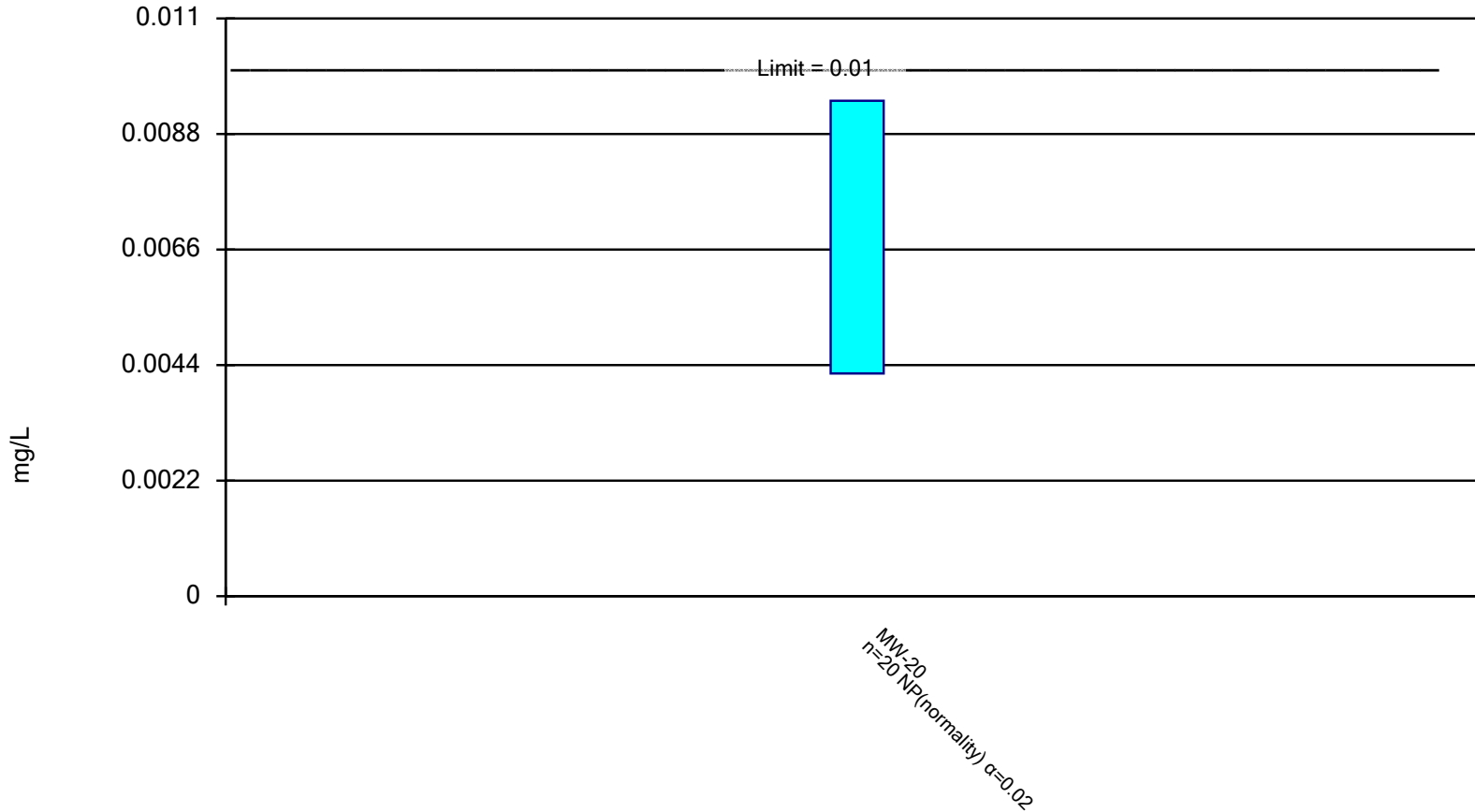


Constituent: 1,4-Dichlorobenzene Analysis Run 2/3/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded.

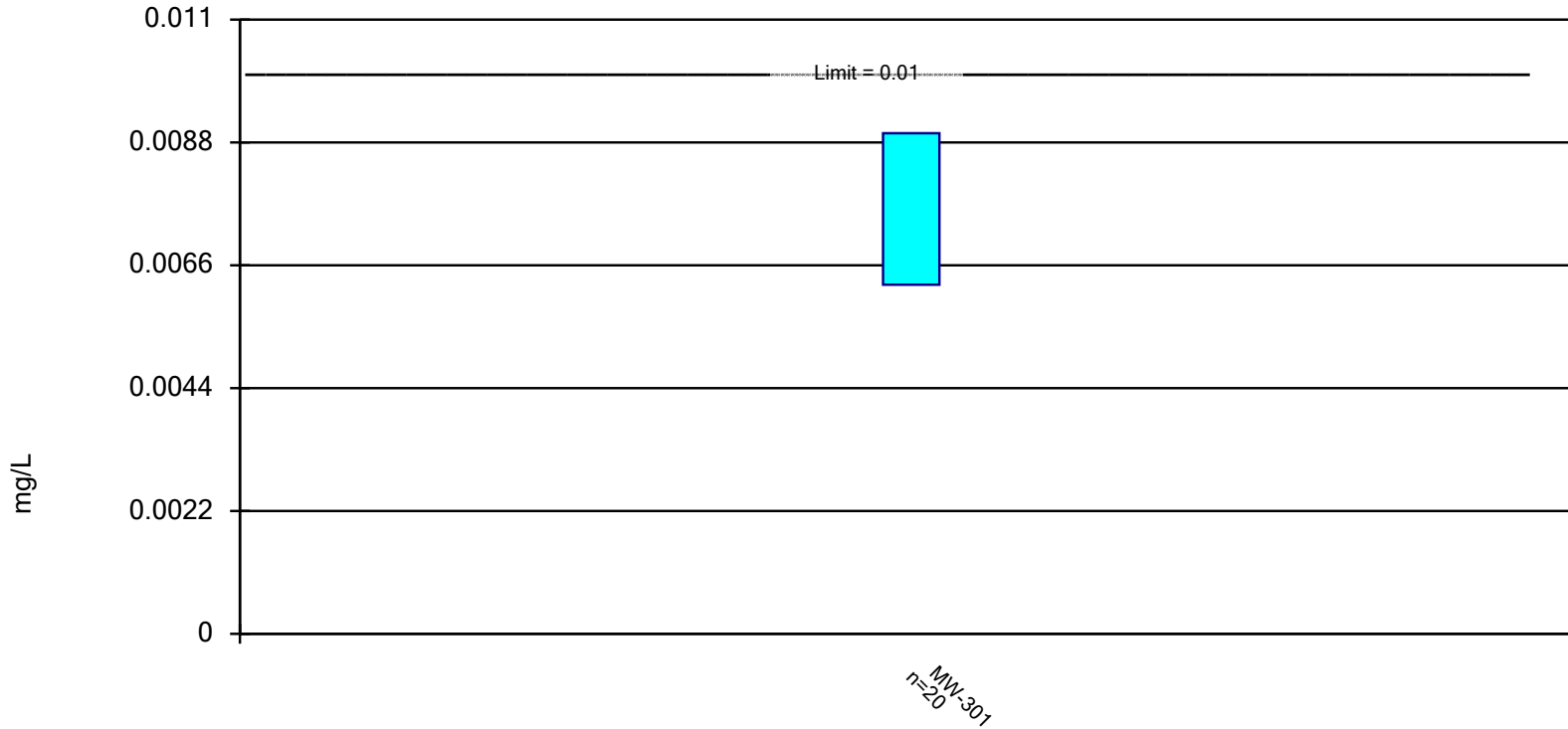


Constituent: Arsenic Analysis Run 2/3/2025 2:38 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

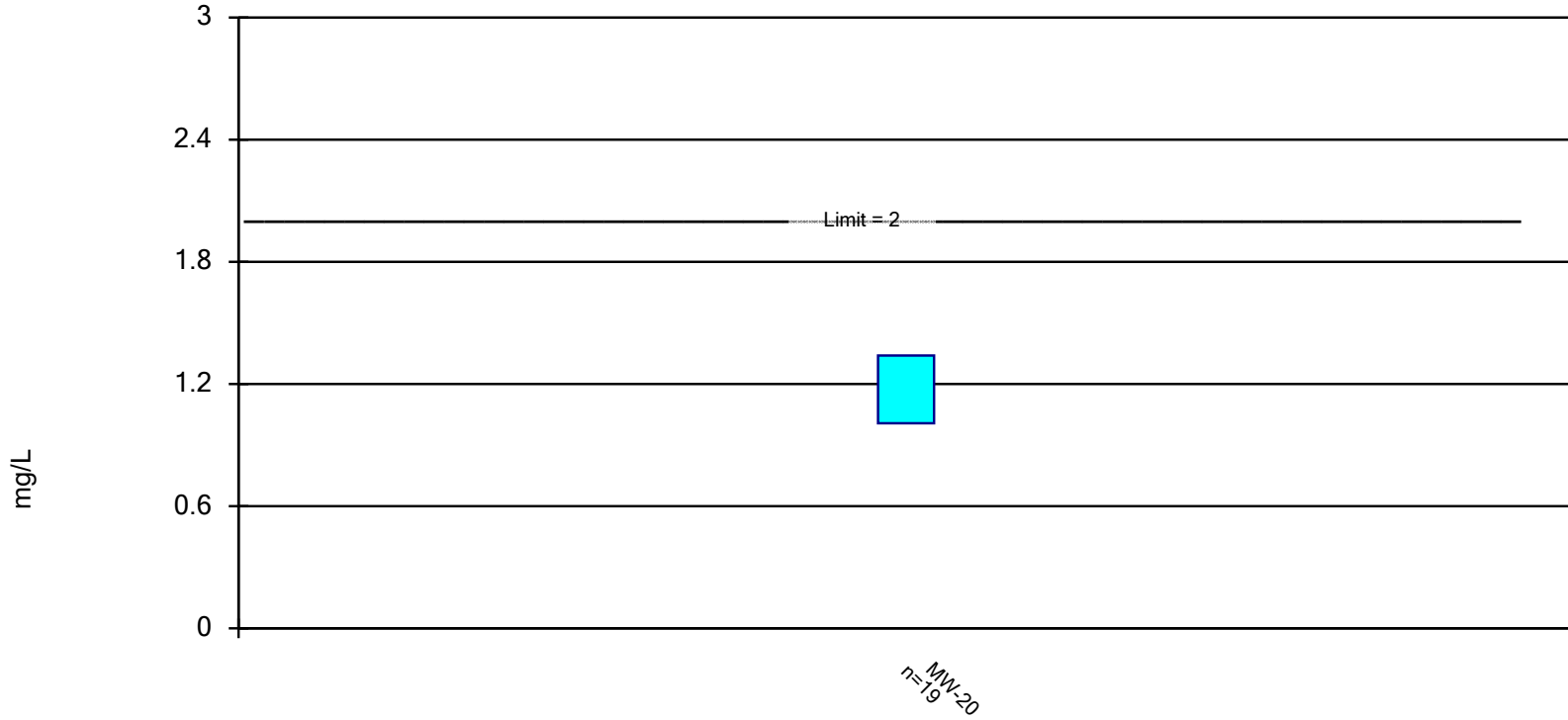


Constituent: Arsenic Analysis Run 2/3/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

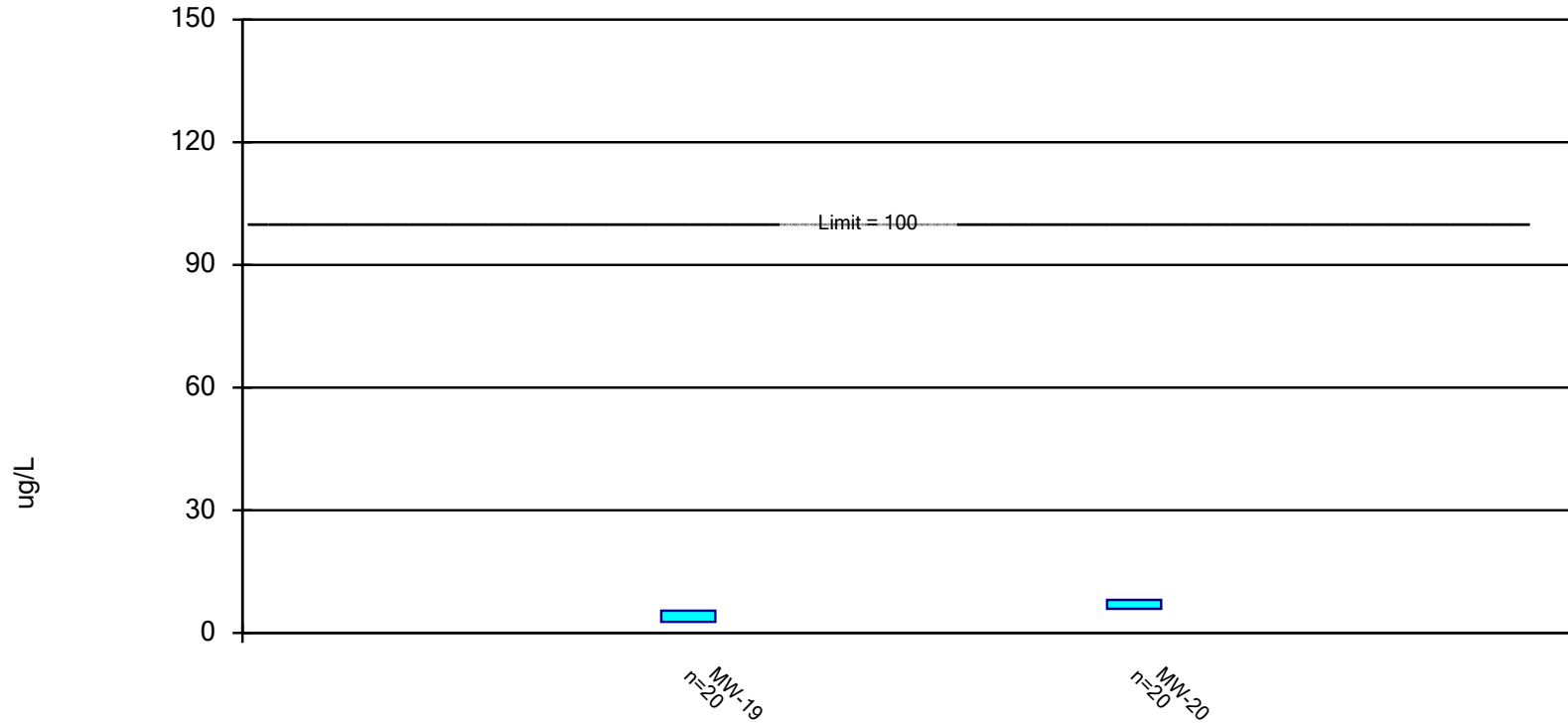


Constituent: Barium Analysis Run 2/3/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

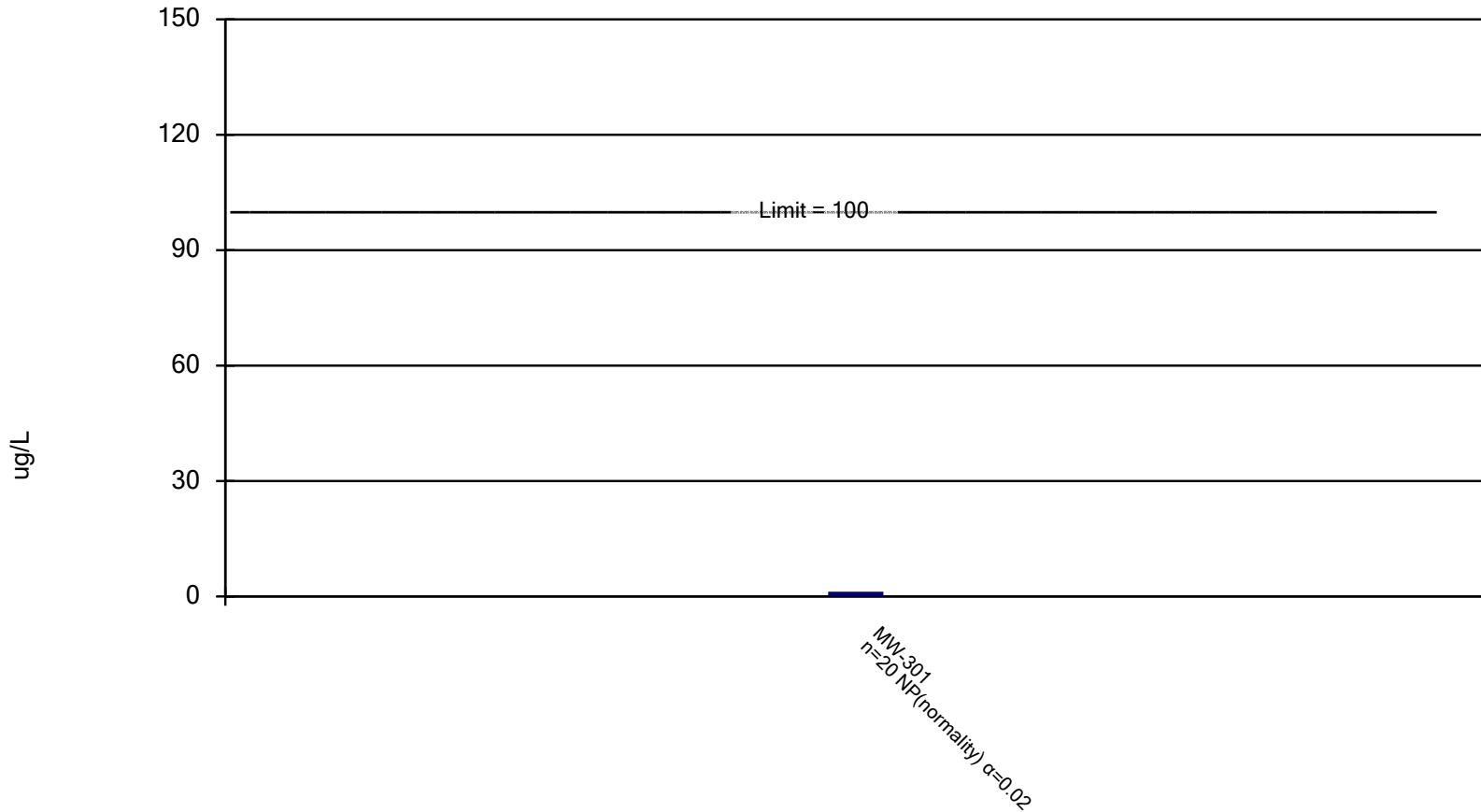


Constituent: Chlorobenzene Analysis Run 2/3/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

# Non-Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded.



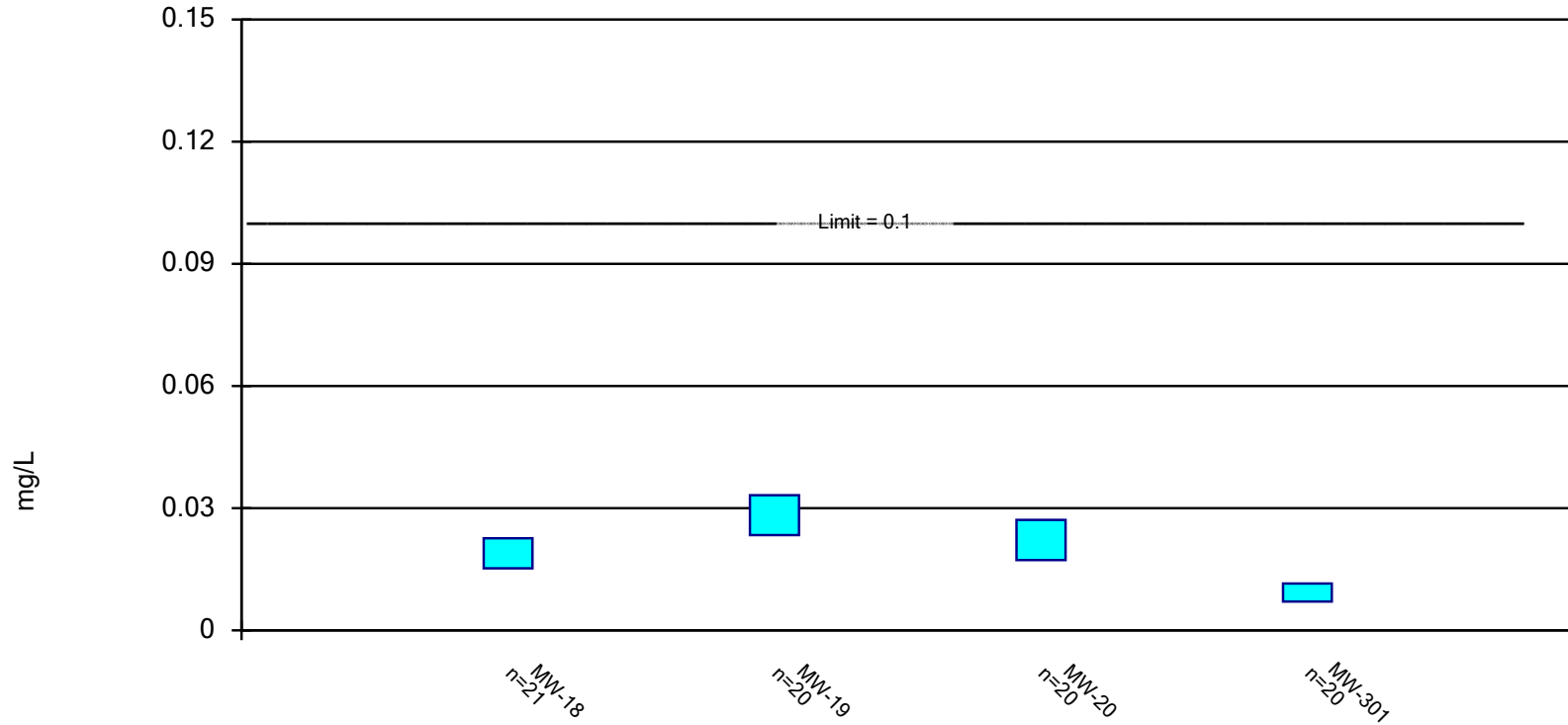
Constituent: Chlorobenzene Analysis Run 2/3/2025 2:39 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation



## Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 2/3/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

**MW-20 Benzene Regression Analysis**

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.612161226
R Square	0.374741367
Adjusted R Square	0.340004776
Standard Error	0.225947005
Observations	20

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0.550753952	0.550754	10.788087	0.004119637
Residual	18	0.918936883	0.051052		
Total	19	1.469690835			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	8.506983577	2.106356351	4.03872	0.0007705	4.081693094	12.93227406	4.081693094	12.93227406
X Variable 1	-0.00015776	4.80313E-05	-3.284522	0.0041196	-0.00025867	-5.68498E-05	-0.00025867	-5.68498E-05

X	Y	ln(Y)	Predicted- Log Scale	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
4/23/2015	6.33	1.8453	1.8626	6.4406	7.6205	5.4433	9.8652	4.2048
10/12/2015	5.36	1.6790	1.8355	6.2682	7.3277	5.3618	9.5569	4.1111
4/7/2016	5.36	1.6790	1.8074	6.0946	7.0395	5.2765	9.2524	4.0145
11/3/2016	4.96	1.6014	1.7743	5.8960	6.7191	5.1737	8.9111	3.9010
3/22/2017	5.78	1.7544	1.7523	5.7681	6.5188	5.1039	8.6955	3.8262
10/3/2017	4.3	1.4586	1.7216	5.5934	6.2538	5.0026	8.4062	3.7217
4/19/2018	5.01	1.6114	1.6903	5.4213	6.0048	4.8946	8.1276	3.6162
10/31/2018	6.4	1.8563	1.6596	5.2571	5.7803	4.7812	7.8673	3.5129
3/18/2019	5.77	1.7527	1.6378	5.1439	5.6344	4.6961	7.6911	3.4403
10/29/2019	6.47	1.8672	1.6023	4.9645	5.4202	4.5471	7.4175	3.3227
3/30/2020	6.98	1.9430	1.5782	4.8461	5.2911	4.4385	7.2407	3.2435
9/30/2020	5.51	1.7066	1.5491	4.7075	5.1523	4.3010	7.0373	3.1490
3/31/2021	6.12	1.8116	1.5204	4.5742	5.0307	4.1592	6.8457	3.0564
10/19/2021	5.7	1.7405	1.4886	4.4307	4.9107	3.9977	6.6436	2.9550
4/26/2022	5.34	1.6752	1.4588	4.3006	4.8098	3.8453	6.4638	2.8613
10/12/2022	3.09	1.1282	1.4321	4.1874	4.7268	3.7096	6.3104	2.7787
4/19/2023	2.71	0.9969	1.4023	4.0644	4.6404	3.5600	6.1465	2.6876
10/19/2023	3.66	1.2975	1.3734	3.9488	4.5618	3.4181	5.9951	2.6009
4/18/2024	3.47	1.2442	1.3447	3.8370	4.4876	3.2807	5.8512	2.5162
9/17/2024	3.2	1.1632	1.3207	3.7461	4.4281	3.1691	5.7358	2.4466

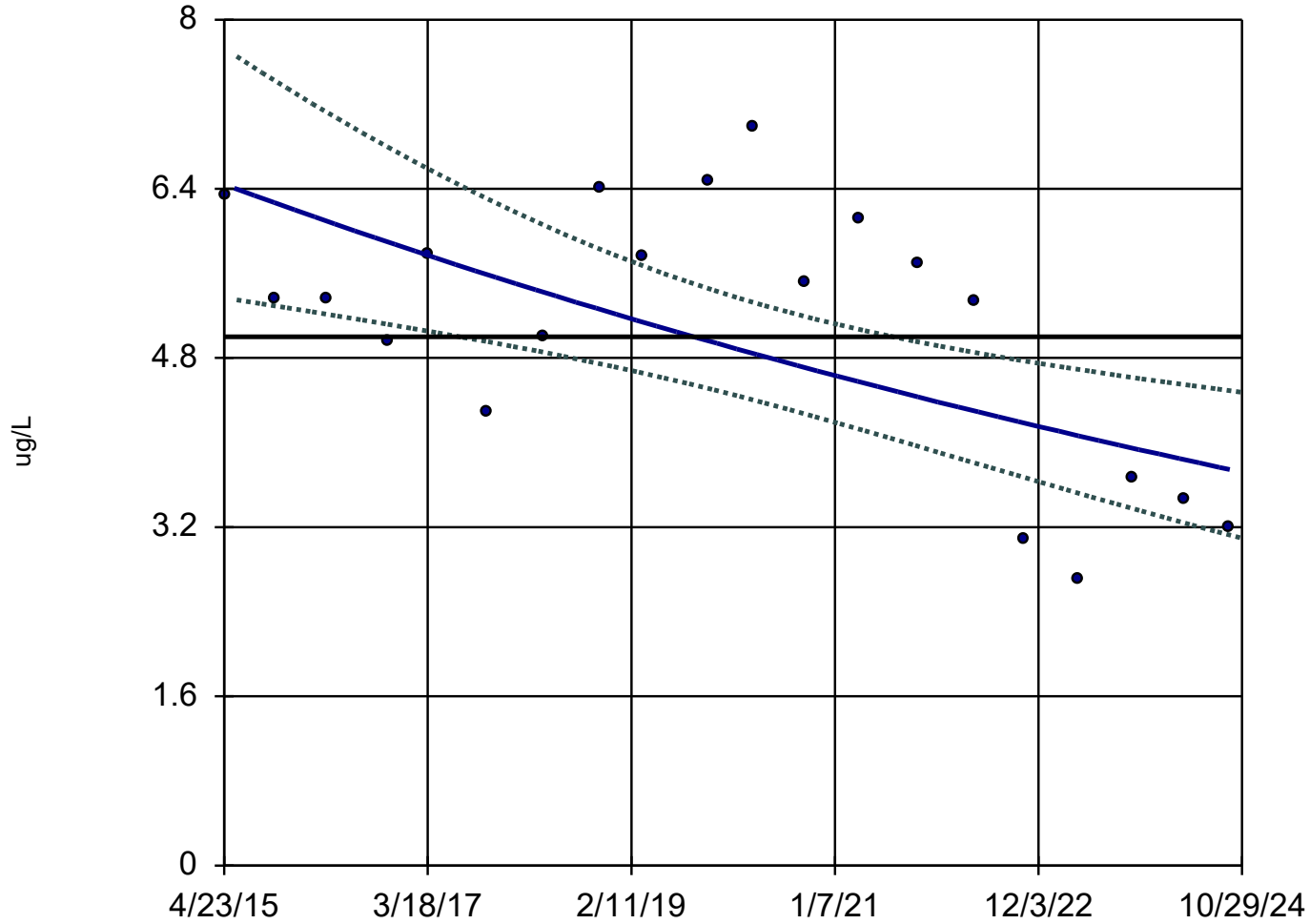
GWPS = 5 mg/L

First Achieved Compliance with the GWPS  
Fall 2024

Projected Year to Completion  
Spring 2027

# Linear Regression and 90% Confidence Band

MW-20



n = 20

Slope = -0.05762  
natural log units/year.

alpha = 0.02  
t = -3.283  
critical = -2.214

Significant decreasing trend.

Normality test on residuals:  
Shapiro Wilk @alpha  
= 0.01, calculated  
= 0.9581 after natural  
log transformation,  
critical = 0.868.

GWPS = 5.

Constituent: Benzene Analysis Run 2/4/2025 7:28 AM  
Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

**MW-18 Cobalt Regression Analysis**

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.675604369
R Square	0.456441263
Adjusted R Square	0.427832908
Standard Error	0.596955605
Observations	21

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	5.685597178	5.6855972	15.954824	0.000776147
Residual	19	6.770763895	0.356356		
Total	20	12.45636107			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	16.82104201	5.458002431	3.0819045	0.0061376	5.397311637	28.24477239	5.397311637	28.24477239
X Variable 1	-0.00049764	0.000124586	-3.994349	0.0007761	-0.000758399	-0.000236878	-0.0007584	-0.000236878

X	Y	ln(Y)	Predicted- Log Scale	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
4/16/2015	0.0152	-4.18646	-4.13452	0.01601	0.02455	0.01044	0.04893	0.00524
10/13/2015	0.0246	-3.70501	-4.22409	0.01464	0.02173	0.00986	0.04421	0.00485
4/9/2016	0.067	-2.70306	-4.31317	0.01339	0.01927	0.00930	0.04001	0.00448
11/2/2016	0.0179	-4.02295	-4.41618	0.01208	0.01681	0.00868	0.03571	0.00409
3/22/2017	0.00817	-4.80729	-4.48585	0.01127	0.01534	0.00827	0.03309	0.00384
6/27/2017	0.00746	-4.89820	-4.53412	0.01074	0.01442	0.00799	0.03141	0.00367
10/5/2017	0.00987	-4.61826	-4.58388	0.01022	0.01354	0.00771	0.02978	0.00350
4/20/2018	0.00657	-5.02524	-4.68192	0.00926	0.01199	0.00715	0.02684	0.00320
10/31/2018	0.00612	-5.09619	-4.77846	0.00841	0.01070	0.00661	0.02427	0.00291
3/22/2019	0.0051	-5.27851	-4.84913	0.00784	0.00988	0.00622	0.02257	0.00272
10/30/2019	0.00407	-5.50411	-4.95960	0.00702	0.00879	0.00560	0.02018	0.00244
3/21/2020	0.00271	-5.91081	-5.03076	0.00653	0.00820	0.00521	0.01880	0.00227
9/30/2020	0.00362	-5.62128	-5.12681	0.00594	0.00751	0.00469	0.01711	0.00206
3/31/2021	0.00338	-5.68988	-5.21738	0.00542	0.00695	0.00423	0.01568	0.00188
10/19/2021	0.00591	-5.13111	-5.31790	0.00490	0.00642	0.00374	0.01425	0.00169
4/26/2022	0.00446	-5.41261	-5.41195	0.00446	0.00599	0.00332	0.01306	0.00153
10/12/2022	0.00496	-5.30635	-5.49606	0.00410	0.00565	0.00298	0.01209	0.00139
4/19/2023	0.00255	-5.97166	-5.59011	0.00373	0.00530	0.00263	0.01110	0.00126
10/19/2023	0.0071	-4.94766	-5.68118	0.00341	0.00499	0.00233	0.01024	0.00113
4/18/2024	0.00346	-5.66649	-5.77175	0.00311	0.00470	0.00206	0.00946	0.00102
9/17/2024	0.00709	-4.94907	-5.84739	0.00289	0.00448	0.00186	0.00887	0.00094

GWPS (Background in Alluvium & Indian Creek Floodplain) = 0.00631 mg/L

First Achieved Compliance with the GWPS

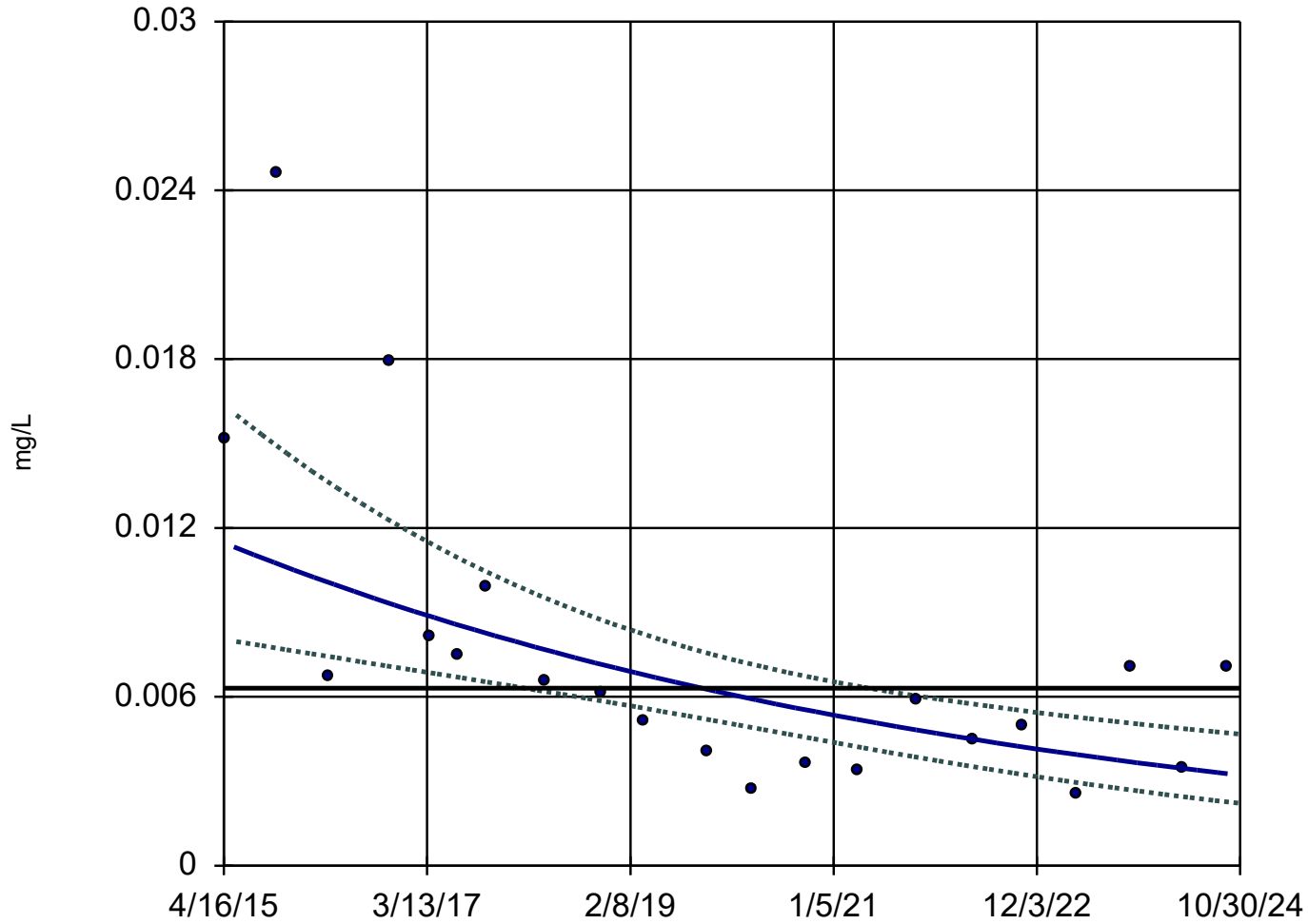
Spring 2024

Projected Year to Completion

Fall 2026

# Linear Regression and 90% Confidence Band

MW-18



n = 21

Slope = -0.1332  
natural log units/year.

alpha = 0.02  
t = -3.812  
critical = -2.205

Significant decreasing trend.

Normality test on residuals:  
Shapiro Wilk @alpha  
= 0.01, calculated  
= 0.9413 after natural  
log transformation,  
critical = 0.873.

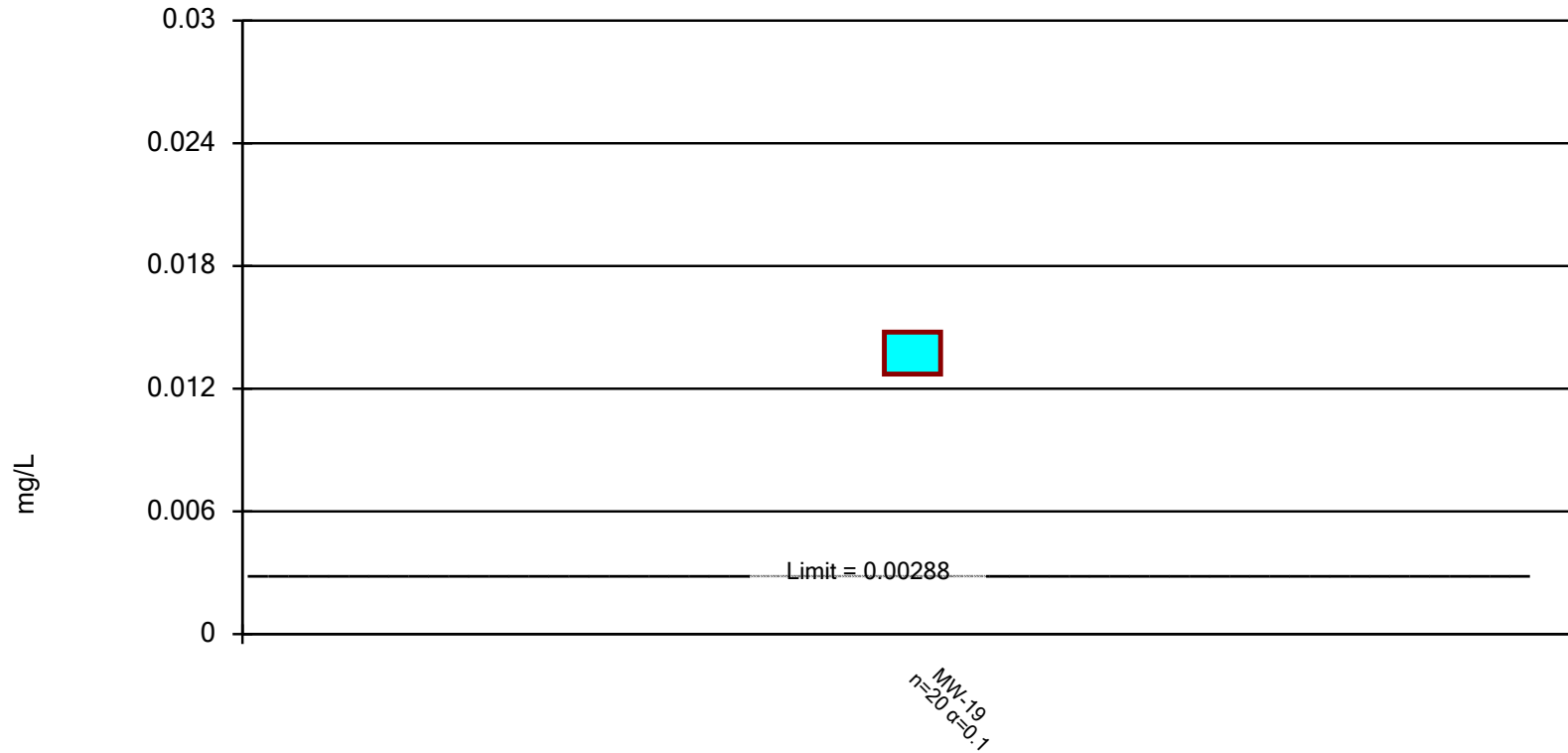
GWPS (Site-Specific Alluvial  
Background) = 0.00631.

Constituent: Cobalt Analysis Run 2/4/2025 7:40 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded. Normality Test: Shapiro Wilk, alpha based on n.

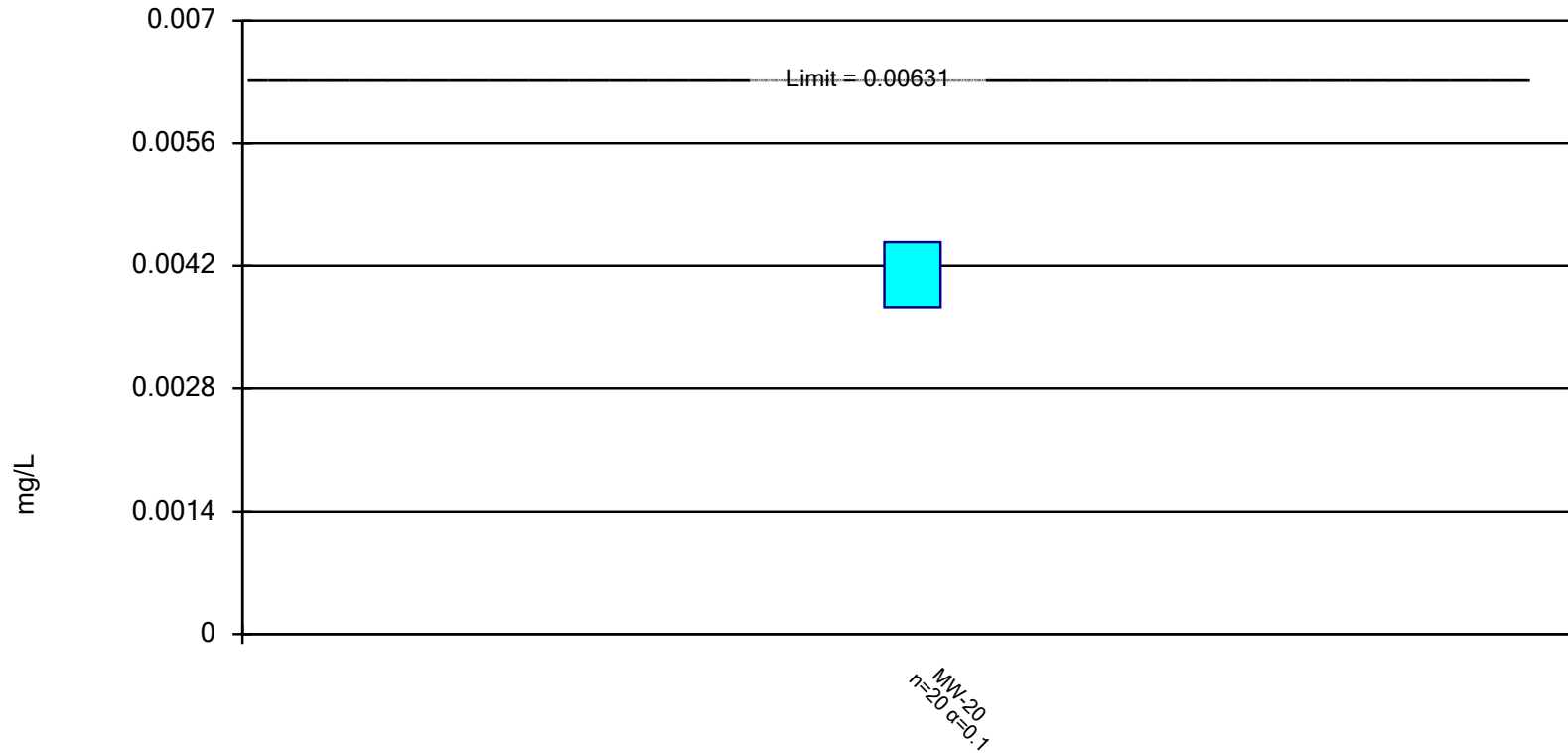


Constituent: Cobalt Analysis Run 2/4/2025 9:47 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

## Parametric Confidence Interval, Corrective Action Mode

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 2/4/2025 9:49 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

**MW-301 Cobalt Regression Analysis**

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.680595847
R Square	0.463210707
Adjusted R Square	0.433389079
Standard Error	0.002028064
Observations	20

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	6.38867E-05	6.389E-05	15.532711	0.00095746
Residual	18	7.40348E-05	4.113E-06		
Total	19	0.000137922			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0.081182216	0.018912128	4.2926008	0.0004382	0.04144931	0.1209151	0.0414493	0.120915123
X Variable 1	-1.69964E-06	4.31253E-07	-3.941156	0.0009575	-2.606E-06	-7.94E-07	-2.606E-06	-7.93607E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
4/23/2015	0.0135	0.00960	0.01111	0.00809	0.01343	0.00577
10/13/2015	0.00924	0.00930	0.01071	0.00790	0.01309	0.00552
4/9/2016	0.0106	0.00900	0.01029	0.00771	0.01275	0.00525
11/4/2016	0.00745	0.00865	0.00982	0.00747	0.01235	0.00494
3/20/2017	0.0093	0.00841	0.00951	0.00731	0.01210	0.00473
10/4/2017	0.0076	0.00808	0.00908	0.00708	0.01173	0.00442
4/20/2018	0.00465	0.00774	0.00866	0.00682	0.01138	0.00411
10/31/2018	0.00308	0.00741	0.00826	0.00656	0.01103	0.00379
3/22/2019	0.00766	0.00717	0.00799	0.00635	0.01078	0.00356
10/30/2019	0.00546	0.00679	0.00758	0.00600	0.01040	0.00319
3/21/2020	0.007	0.00655	0.00734	0.00576	0.01015	0.00295
9/30/2020	0.0064	0.00622	0.00703	0.00541	0.00983	0.00261
3/31/2021	0.0048	0.00591	0.00677	0.00506	0.00953	0.00229
10/19/2021	0.0091	0.00557	0.00649	0.00465	0.00920	0.00193
4/26/2022	0.0045	0.00525	0.00625	0.00424	0.00890	0.00159
10/12/2022	0.00498	0.00496	0.00605	0.00387	0.00864	0.00128
4/19/2023	0.00273	0.00464	0.00583	0.00345	0.00835	0.00093
10/19/2023	0.00517	0.00433	0.00562	0.00303	0.00808	0.00058
4/18/2024	0.00424	0.00402	0.00542	0.00261	0.00781	0.00023
9/17/2024	0.0059	0.00376	0.00526	0.00226	0.00758	-0.00006

GWPS (Background) = 0.00288 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

9/23/2028      -5.850      0.00288

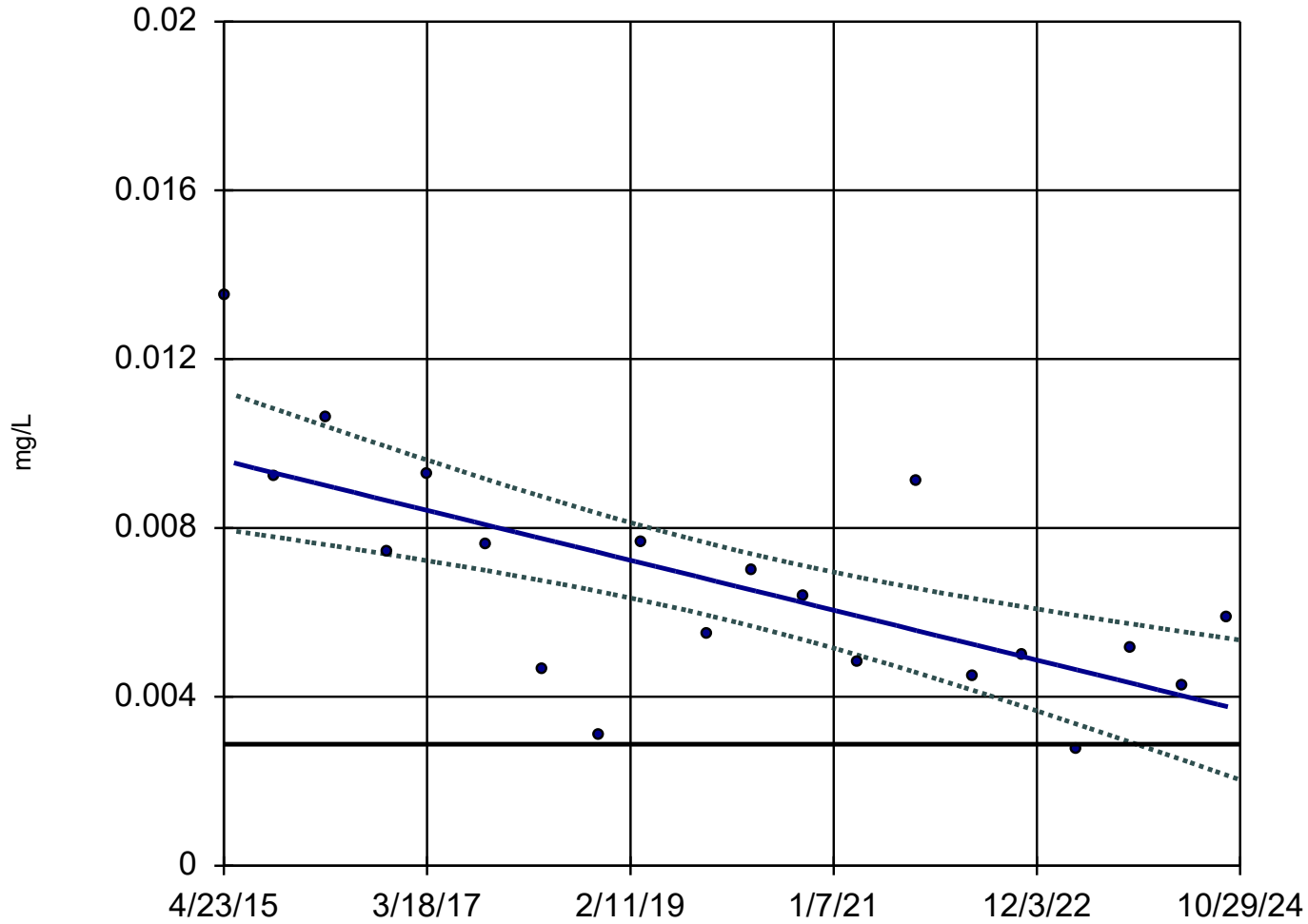
Projected Year to Completion

9/23/2031



# Linear Regression and 90% Confidence Band

MW-301



n = 20

Slope = -0.0006207  
units/year.

alpha = 0.02  
t = -3.939  
critical = -2.214

Significant decreasing trend.

Normality test on residuals:  
Shapiro Wilk @alpha  
= 0.01, calculated  
= 0.9738, critical  
= 0.868.

GWPS (Background) = 0.00288.

Constituent: Cobalt Analysis Run 2/4/2025 9:45 AM

Linn County SWAL Client: Foth Data: Site 2 - Fall 2024 Statistical Evaluation

### Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion

Date	MW-19 Cobalt mg/L
2015/04	0.00936
2015/10	0.00931
2016/04	0.0147
2016/11	0.00948
2017/03	0.0133
2017/10	0.0156
2018/04	0.0198
2018/11	0.0172
2019/03	0.0152
2019/10	0.0124
2020/03	0.0145
2020/09	0.0154
2021/03	0.0149
2021/10	0.0129
2022/04	0.00707
2022/10	0.015
2023/04	0.0156
2023/10	0.019
2024/04	0.00852
2024/09	0.0154
Sep. 2024 Sample	0.0154
GWPS	0.00288
Regression Sample Size	20
Regression Slope	3.58652E-05
Regression y-Intercept	-5.894704644
Regression <i>p</i> -level	0.559
Estimated Date to Attain GWPS	No Attenuation
Projected Year to Completion	No Attenuation

## **Attachment 5**

### **References**

## References

- HDR, 2018. *2017 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P*. January. [Doc. No. 91710].
- HDR, 2020. *2020 Spring Statistical Report, Cedar Rapids/Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P*. June 9. [Doc. No. 97891].
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- HDR, 2024b. *2024 Spring Statistical Report, Cedar Rapids/Linn County Solid Waste Agency Site 2, Permit No. 57-SDP-01-72P*. August 2. [Doc. No. 110633].
- Iowa Department of Natural Resources (Nina M. Booker), Letter to Karmin McShane, 22 Jan 2019. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill (Site #2 – Marion), 2017 Annual Water Quality Report, 2018 Spring Statistical Report, Notification of GWPS Exceedance, Permit #57-SDP-01-72P" [Doc. No. 94189].
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- USEPA, 2006. *On the Computation of a 95% Upper Confidence Limit of the Unknown Population Mean Based Upon Data Sets with Below Detection Limit Observations*. EPA/600/R-06/022. Office of Research and Development, Washington, D.C.
- USEPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. EPA 530-R-09-007. Office of Resource Conservation and Recovery, Program Implementation and Information Division, Washington, D.C.

**Appendix C**  
**Leachate Sample Analytical Results**



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gina Wilming  
Foth Infrastructure & Environment, LLC  
411 6th Avenue SE  
Suite 400  
Cedar Rapids, Iowa 52401

Generated 12/18/2024 2:04:22 PM

## JOB DESCRIPTION

CRLCSWA 2\_Leachate

## JOB NUMBER

310-296428-1

# 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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# Case Narrative

Client: Foth Infrastructure & Environment, LLC  
Project: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Job ID: 310-296428-1**

**Eurofins Cedar Falls**

## Job Narrative 310-296428-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 sample was received on 12/4/2024 2:45 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

### GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-441675 recovered above the upper control limit for Trichlorofluoromethane (20.6%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-441675/4).

Method 8260D: The following volatiles sample was diluted due to foaming at the time of sample preparation during the original sample analysis: CRLCSWAZ\_Leachate\_2024\_12 (310-296428-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC/MS Semi VOA

Method 8270E: The surrogate recovery for the blank associated with preparation batch 310-441725 and analytical batch 310-441805 was outside the control limits.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-441805 recovered above the upper control limit for 1,4-Naphthoquinone (22.7%D), Methyl parathion (26.1%D), o-Toluidine (20.6%D), Hexachloropropene (27.5%D) and Dinoseb (51.3%D). 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.

### Herbicides

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### PCBs

Method 8082A: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (310-294767-A-1-H MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8082A: The continuing calibration verification (CCV) associated with batch 310-441921 recovered above the upper control limit for PCB-1254. 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.

### Pesticides

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 310-441940 and analytical batch 310-442075 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Eurofins Cedar Falls

# Case Narrative

Client: Foth Infrastructure & Environment, LLC  
Project: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Job ID: 310-296428-1 (Continued)

**Eurofins Cedar Falls**

Method 8081B: Surrogate recovery for the following sample was outside control limits: (310-296428-H-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: CRLCSWAZ\_Leachate\_2024\_12 (310-296428-1). The sample(s) was preserved to the appropriate pH in the laboratory. Due to the difficult matrix, only 25 mL was used for digestion.

Method 7470A: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: CRLCSWAZ\_Leachate\_2024\_12 (310-296428-1). 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.

Eurofins Cedar Falls

# Sample Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-296428-1	CRLCSWAZ_Leachate_2024_12	Water	12/04/24 09:20	12/04/24 14:45

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Detection Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	8.58	J	10.0	4.20	ug/L	10			8260D	Total/NA
Benzene	3.83	J	5.00	2.20	ug/L	10			8260D	Total/NA
Ethylbenzene	3.83	J	10.0	3.10	ug/L	10			8260D	Total/NA
Xylenes, Total	10.2	J	30.0	4.00	ug/L	10			8260D	Total/NA
4-Chloro-3-methylphenol	1.09	J	10.0	0.840	ug/L	1			8270E	Total/NA
2,4-Dimethylphenol	1.48	J	10.0	0.580	ug/L	1			8270E	Total/NA
2-Methylphenol	1.01	J	10.0	0.650	ug/L	1			8270E	Total/NA
Nitrobenzene	4.91	J	10.0	0.800	ug/L	1			8270E	Total/NA
gamma-BHC (Lindane)	0.0150	J p	0.0893	0.00893	ug/L	1			8081B	Total/NA
Arsenic	0.0173		0.00400	0.00106	mg/L	1			6020B	Total/NA
Barium	0.373		0.00400	0.00132	mg/L	1			6020B	Total/NA
Chromium	0.0422		0.0100	0.00240	mg/L	1			6020B	Total/NA
Copper	0.00901	J	0.0100	0.00360	mg/L	1			6020B	Total/NA
Iron	2.96		0.200	0.0720	mg/L	1			6020B	Total/NA
Magnesium	114		1.00	0.300	mg/L	1			6020B	Total/NA
Nickel	0.0679		0.0100	0.00420	mg/L	1			6020B	Total/NA
Potassium	177		4.00	1.20	mg/L	4			6020B	Total/NA
Total Volatile Solids	1190		250	250	mg/L	1			2540E	Total/NA
Fixed Solids	2420		250	250	mg/L	1			2540E	Total/NA
Ammonia	298		25.0	10.5	mg/L	1			350.1	Total/NA
Total Kjeldahl Nitrogen	337		50.0	28.5	mg/L	10			351.2	Total/NA
Total Phosphorus as P	0.473		0.100	0.0670	mg/L	1			365.1	Total/NA
Phosphorus as PO4	1.45		0.310	0.210	mg/L	1			365.1	Total/NA
pH	7.62	HF	1.00	1.00	SU	1			9040C	Total/NA
Total Suspended Solids	13.5		7.50	5.55	mg/L	1			I-3765-85	Total/NA
Total Solids	3610		250	225	mg/L	1			SM 2540B	Total/NA
Total Dissolved Solids	3010		250	210	mg/L	1			SM 2540C	Total/NA
Chloride	874		200	140	mg/L	100			SM 4500 Cl- E	Total/NA
Carbonaceous Biochemical Oxygen Demand	38.7		3.00	3.00	mg/L	1			SM 5210B	Total/NA
Chemical Oxygen Demand	697		250	240	mg/L	50			SM 5220D	Total/NA
Orthophosphate as P	1.71	F1	0.100	0.0300	mg/L	1			365.1	Dissolved

This Detection Summary does not include radiochemical test results.

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<3.80		10.0	3.80	ug/L			12/06/24 09:24	10
1,1,1-Trichloroethane	<1.90		10.0	1.90	ug/L			12/06/24 09:24	10
1,1,2,2-Tetrachloroethane	<4.70		10.0	4.70	ug/L			12/06/24 09:24	10
1,1,2-Trichloroethane	<4.50		10.0	4.50	ug/L			12/06/24 09:24	10
1,1-Dichloroethane	<2.20		10.0	2.20	ug/L			12/06/24 09:24	10
1,1-Dichloroethene	<5.60		20.0	5.60	ug/L			12/06/24 09:24	10
1,1-Dichloropropene	<4.30		10.0	4.30	ug/L			12/06/24 09:24	10
1,2,3-Trichlorobenzene	<9.00		50.0	9.00	ug/L			12/06/24 09:24	10
1,2,3-Trichloropropane	<5.90		10.0	5.90	ug/L			12/06/24 09:24	10
1,2,4-Trichlorobenzene	<7.50		50.0	7.50	ug/L			12/06/24 09:24	10
<b>1,2,4-Trimethylbenzene</b>	<b>8.58</b>	<b>J</b>	10.0	4.20	ug/L			12/06/24 09:24	10
1,2-Dibromo-3-Chloropropane	<12.0		50.0	12.0	ug/L			12/06/24 09:24	10
1,2-Dibromoethane (EDB)	<3.40		10.0	3.40	ug/L			12/06/24 09:24	10
1,2-Dichlorobenzene	<3.70		10.0	3.70	ug/L			12/06/24 09:24	10
1,2-Dichloroethane	<3.90		10.0	3.90	ug/L			12/06/24 09:24	10
1,2-Dichloropropane	<2.70		10.0	2.70	ug/L			12/06/24 09:24	10
1,3,5-Trimethylbenzene	<3.70		10.0	3.70	ug/L			12/06/24 09:24	10
1,3-Dichlorobenzene	<3.00		10.0	3.00	ug/L			12/06/24 09:24	10
1,3-Dichloropropane	<4.00		10.0	4.00	ug/L			12/06/24 09:24	10
1,4-Dichlorobenzene	<2.30		10.0	2.30	ug/L			12/06/24 09:24	10
2,2-Dichloropropane	<6.90		40.0	6.90	ug/L			12/06/24 09:24	10
2-Butanone (MEK)	<21.0		100	21.0	ug/L			12/06/24 09:24	10
2-Chloroethyl vinyl ether	<17.0		20.0	17.0	ug/L			12/06/24 09:24	10
2-Chlorotoluene	<2.80		10.0	2.80	ug/L			12/06/24 09:24	10
4-Chlorotoluene	<2.90		10.0	2.90	ug/L			12/06/24 09:24	10
Acetone	<31.0		100	31.0	ug/L			12/06/24 09:24	10
<b>Benzene</b>	<b>3.83</b>	<b>J</b>	5.00	2.20	ug/L			12/06/24 09:24	10
Bromobenzene	<3.40		10.0	3.40	ug/L			12/06/24 09:24	10
Bromochloromethane	<5.40		50.0	5.40	ug/L			12/06/24 09:24	10
Bromodichloromethane	<3.90		10.0	3.90	ug/L			12/06/24 09:24	10
Bromoform	<7.80		50.0	7.80	ug/L			12/06/24 09:24	10
Bromomethane	<11.0		40.0	11.0	ug/L			12/06/24 09:24	10
Carbon disulfide	<4.50		10.0	4.50	ug/L			12/06/24 09:24	10
Carbon tetrachloride	<6.50		20.0	6.50	ug/L			12/06/24 09:24	10
Chlorobenzene	<4.00		10.0	4.00	ug/L			12/06/24 09:24	10
Chlorodibromomethane	<7.50		50.0	7.50	ug/L			12/06/24 09:24	10
Chloroethane	<7.90		40.0	7.90	ug/L			12/06/24 09:24	10
Chloroform	<13.0		30.0	13.0	ug/L			12/06/24 09:24	10
Chloromethane	<6.10		30.0	6.10	ug/L			12/06/24 09:24	10
cis-1,2-Dichloroethene	<2.10		10.0	2.10	ug/L			12/06/24 09:24	10
cis-1,3-Dichloropropene	<2.50		50.0	2.50	ug/L			12/06/24 09:24	10
Dibromomethane	<3.30		10.0	3.30	ug/L			12/06/24 09:24	10
Dichlorodifluoromethane	<2.50		30.0	2.50	ug/L			12/06/24 09:24	10
<b>Ethylbenzene</b>	<b>3.83</b>	<b>J</b>	10.0	3.10	ug/L			12/06/24 09:24	10
Hexachlorobutadiene	<14.0		50.0	14.0	ug/L			12/06/24 09:24	10
Hexane	<7.80		10.0	7.80	ug/L			12/06/24 09:24	10
Isopropylbenzene	<3.50		10.0	3.50	ug/L			12/06/24 09:24	10
Methyl tert-butyl ether	<4.90		10.0	4.90	ug/L			12/06/24 09:24	10
Methylene Chloride	<17.0		50.0	17.0	ug/L			12/06/24 09:24	10

Eurofins Cedar Falls

# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<30.0		50.0	30.0	ug/L			12/06/24 09:24	10
n-Butylbenzene	<4.40		10.0	4.40	ug/L			12/06/24 09:24	10
N-Propylbenzene	<3.90		10.0	3.90	ug/L			12/06/24 09:24	10
p-Isopropyltoluene	<3.30		10.0	3.30	ug/L			12/06/24 09:24	10
sec-Butylbenzene	<4.40		10.0	4.40	ug/L			12/06/24 09:24	10
Styrene	<3.70		10.0	3.70	ug/L			12/06/24 09:24	10
tert-Butylbenzene	<3.90		10.0	3.90	ug/L			12/06/24 09:24	10
Tetrachloroethene	<4.80		10.0	4.80	ug/L			12/06/24 09:24	10
Toluene	<4.30		10.0	4.30	ug/L			12/06/24 09:24	10
trans-1,2-Dichloroethene	<2.70		10.0	2.70	ug/L			12/06/24 09:24	10
trans-1,3-Dichloropropene	<5.60		50.0	5.60	ug/L			12/06/24 09:24	10
Trichloroethene	<4.30		10.0	4.30	ug/L			12/06/24 09:24	10
Trichlorofluoromethane	<3.80		40.0	3.80	ug/L			12/06/24 09:24	10
Vinyl chloride	<1.80		10.0	1.80	ug/L			12/06/24 09:24	10
<b>Xylenes, Total</b>	<b>10.2</b>	<b>J</b>	30.0	4.00	ug/L			12/06/24 09:24	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		73 - 130					12/06/24 09:24	10
Toluene-d8 (Surr)	99		80 - 120					12/06/24 09:24	10
4-Bromofluorobenzene (Surr)	97		80 - 120					12/06/24 09:24	10

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.640		10.0	0.640	ug/L		12/06/24 07:00	12/06/24 15:19	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		12/06/24 07:00	12/06/24 15:19	1
Acetophenone	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Anthracene	<0.870		10.0	0.870	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzoic acid	<17.0		100	17.0	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		12/06/24 07:00	12/06/24 15:19	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		12/06/24 07:00	12/06/24 15:19	1
bis (2-chloroisopropyl) ether	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 15:19	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 15:19	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		12/06/24 07:00	12/06/24 15:19	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
<b>4-Chloro-3-methylphenol</b>	<b>1.09</b>	<b>J</b>	10.0	0.840	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 15:19	1
Chrysene	<0.870		10.0	0.870	ug/L		12/06/24 07:00	12/06/24 15:19	1
Diallylate	<4.00		10.0	4.00	ug/L		12/06/24 07:00	12/06/24 15:19	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		12/06/24 07:00	12/06/24 15:19	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 15:19	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
Dimethoate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		12/06/24 07:00	12/06/24 15:19	1
<b>2,4-Dimethylphenol</b>	<b>1.48</b>	<b>J</b>	10.0	0.580	ug/L		12/06/24 07:00	12/06/24 15:19	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		12/06/24 07:00	12/06/24 15:19	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		12/06/24 07:00	12/06/24 15:19	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		12/06/24 07:00	12/06/24 15:19	1
Dinoseb	<2.40		10.0	2.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
Diphenylamine	<6.00		10.0	6.00	ug/L		12/06/24 07:00	12/06/24 15:19	1
Disulfoton	<2.40		10.0	2.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Famphur	<3.80		10.0	3.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
Fluoranthene	<1.70		10.0	1.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
Fluorene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 15:19	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 15:19	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		12/06/24 07:00	12/06/24 15:19	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		12/06/24 07:00	12/06/24 15:19	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		12/06/24 07:00	12/06/24 15:19	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Isodrin	<4.70		10.0	4.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
Isophorone	<0.930		10.0	0.930	ug/L		12/06/24 07:00	12/06/24 15:19	1
Isosafrole	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
Kepone	<1.00		10.0	1.00	ug/L		12/06/24 07:00	12/06/24 15:19	1
Methapyrilene	<0.760		10.0	0.760	ug/L		12/06/24 07:00	12/06/24 15:19	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		12/06/24 07:00	12/06/24 15:19	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		12/06/24 07:00	12/06/24 15:19	1
Methyl parathion	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
<b>2-Methylphenol</b>	<b>1.01</b>	<b>J</b>	10.0	0.650	ug/L		12/06/24 07:00	12/06/24 15:19	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 15:19	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		12/06/24 07:00	12/06/24 15:19	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Nitrobenzene</b>	<b>4.91</b>	<b>J</b>	10.0	0.800	ug/L		12/06/24 07:00	12/06/24 15:19	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
o,o',o"-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
o-Toluidine	<2.90		10.0	2.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
Phenacetin	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
Phenanthrene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 15:19	1
Phenol	<1.10		10.0	1.10	ug/L		12/06/24 07:00	12/06/24 15:19	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 15:19	1
Phorate	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pronamide	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pyrene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 15:19	1
Pyridine	<1.60		10.0	1.60	ug/L		12/06/24 07:00	12/06/24 15:19	1
Safrole	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 15:19	1
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
Thionazin	<3.50		10.0	3.50	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		12/06/24 07:00	12/06/24 15:19	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		12/06/24 07:00	12/06/24 15:19	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		39 - 118	12/06/24 07:00	12/06/24 15:19	1
2-Fluorophenol (Surr)	71		25 - 110	12/06/24 07:00	12/06/24 15:19	1
Nitrobenzene-d5 (Surr)	81		45 - 129	12/06/24 07:00	12/06/24 15:19	1
Phenol-d5 (Surr)	67		21 - 110	12/06/24 07:00	12/06/24 15:19	1
Terphenyl-d14 (Surr)	60		12 - 144	12/06/24 07:00	12/06/24 15:19	1
2,4,6-Tribromophenol (Surr)	120		27 - 136	12/06/24 07:00	12/06/24 15:19	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0196		0.0893	0.0196	ug/L		12/09/24 09:18	12/09/24 17:20	1
alpha-BHC	<0.00893		0.0893	0.00893	ug/L		12/09/24 09:18	12/09/24 17:20	1
beta-BHC	<0.0375		0.0893	0.0375	ug/L		12/09/24 09:18	12/09/24 17:20	1
<b>gamma-BHC (Lindane)</b>	<b>0.0150</b>	<b>J p</b>	0.0893	0.00893	ug/L		12/09/24 09:18	12/09/24 17:20	1
Chlordane (technical)	<0.348		1.79	0.348	ug/L		12/09/24 09:18	12/09/24 17:20	1
delta-BHC	<0.0286		0.0893	0.0286	ug/L		12/09/24 09:18	12/09/24 17:20	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0188	F2	0.0893	0.0188	ug/L		12/09/24 09:18	12/09/24 17:20	1
4,4'-DDD	<0.0223	F2	0.0893	0.0223	ug/L		12/09/24 09:18	12/09/24 17:20	1
4,4'-DDE	<0.0268	F1	0.0893	0.0268	ug/L		12/09/24 09:18	12/09/24 17:20	1
4,4'-DDT	<0.0179		0.0893	0.0179	ug/L		12/09/24 09:18	12/09/24 17:20	1
Endosulfan I	<0.0250		0.0893	0.0250	ug/L		12/09/24 09:18	12/09/24 17:20	1
Endosulfan II	<0.0232		0.0893	0.0232	ug/L		12/09/24 09:18	12/09/24 17:20	1
Endosulfan sulfate	<0.0161		0.0893	0.0161	ug/L		12/09/24 09:18	12/09/24 17:20	1
Endrin	<0.0250	F2	0.0893	0.0250	ug/L		12/09/24 09:18	12/09/24 17:20	1
Endrin aldehyde	<0.0241		0.0893	0.0241	ug/L		12/09/24 09:18	12/09/24 17:20	1
Heptachlor	<0.0205		0.0893	0.0205	ug/L		12/09/24 09:18	12/09/24 17:20	1
Heptachlor epoxide	<0.0286		0.0893	0.0286	ug/L		12/09/24 09:18	12/09/24 17:20	1
Methoxychlor	<0.0286		0.0893	0.0286	ug/L		12/09/24 09:18	12/09/24 17:20	1
Toxaphene	<0.893		1.79	0.893	ug/L		12/09/24 09:18	12/09/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	16		10 - 136				12/09/24 09:18	12/09/24 17:20	1
Tetrachloro-m-xylene (Surr)	79		10 - 130				12/09/24 09:18	12/09/24 17:20	1

**Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.732		1.79	0.732	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1221	<0.732		1.79	0.732	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1232	<0.732		1.79	0.732	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1242	<0.732		1.79	0.732	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1248	<0.616		1.79	0.616	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1254	<0.616		1.79	0.616	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1260	<0.616		1.79	0.616	ug/L		12/09/24 09:18	12/09/24 17:20	1
PCB-1268	<0.616		1.79	0.616	ug/L		12/09/24 09:18	12/09/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	16		10 - 136				12/09/24 09:18	12/09/24 17:20	1
Tetrachloro-m-xylene (Surr)	77		10 - 130				12/09/24 09:18	12/09/24 17:20	1

**Method: SW846 8151A - Herbicides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.337		1.10	0.337	ug/L		12/10/24 12:24	12/12/24 17:37	1
Silvex (2,4,5-TP)	<0.0916		1.10	0.0916	ug/L		12/10/24 12:24	12/12/24 17:37	1
2,4,5-T	<0.158		1.10	0.158	ug/L		12/10/24 12:24	12/12/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	82		25 - 130				12/10/24 12:24	12/12/24 17:37	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0173		0.00400	0.00106	mg/L		12/06/24 09:00	12/11/24 16:45	1
Barium	0.373		0.00400	0.00132	mg/L		12/06/24 09:00	12/11/24 16:45	1
Cadmium	<0.000200		0.000400	0.000200	mg/L		12/06/24 09:00	12/11/24 16:45	1
Chromium	0.0422		0.0100	0.00240	mg/L		12/06/24 09:00	12/11/24 16:45	1
Copper	0.00901	J	0.0100	0.00360	mg/L		12/06/24 09:00	12/11/24 16:45	1
Iron	2.96		0.200	0.0720	mg/L		12/06/24 09:00	12/11/24 16:45	1
Lead	<0.000520		0.00100	0.000520	mg/L		12/06/24 09:00	12/11/24 16:45	1

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# Client Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

**Method: SW846 6020B - Metals (ICP/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	114		1.00	0.300	mg/L		12/06/24 09:00	12/11/24 16:45	1
Nickel	0.0679		0.0100	0.00420	mg/L		12/06/24 09:00	12/11/24 16:45	1
Potassium	177		4.00	1.20	mg/L		12/06/24 09:00	12/12/24 11:52	4
Selenium	<0.00280		0.0100	0.00280	mg/L		12/06/24 09:00	12/11/24 16:45	1
Silver	<0.00100		0.00200	0.00100	mg/L		12/06/24 09:00	12/11/24 16:45	1
Zinc	<0.0194		0.0400	0.0194	mg/L		12/06/24 09:00	12/11/24 16:45	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		12/16/24 10:30	12/16/24 17:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	298		25.0	10.5	mg/L		12/11/24 09:12	12/11/24 20:24	1
Total Kjeldahl Nitrogen (EPA 351.2)	337		50.0	28.5	mg/L		12/05/24 05:40	12/05/24 19:07	10
Nitrate as N (EPA 353.2)	<0.800		1.00	0.800	mg/L			12/11/24 02:45	1
Total Phosphorus as P (EPA 365.1)	0.473		0.100	0.0670	mg/L		12/07/24 10:29	12/09/24 21:02	1
Phosphorus as PO4 (EPA 365.1)	1.45		0.310	0.210	mg/L		12/07/24 10:29	12/09/24 21:02	1
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		12/09/24 09:40	12/10/24 18:17	1
Total Suspended Solids (USGS I-3765-85)	13.5		7.50	5.55	mg/L			12/10/24 16:29	1
Total Solids (SM 2540B)	3610		250	225	mg/L			12/05/24 14:49	1
Total Dissolved Solids (SM 2540C)	3010		250	210	mg/L			12/05/24 17:59	1
Chloride (SM 4500 Cl- E)	874		200	140	mg/L			12/09/24 14:11	100
Carbonaceous Biochemical Oxygen Demand (SM 5210B)	38.7		3.00	3.00	mg/L			12/05/24 06:50	1
Chemical Oxygen Demand (SM 5220D)	697		250	240	mg/L			12/12/24 08:55	50
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Volatile Solids (SM 2540E)	1190		250	250	mg/L			12/05/24 14:49	1
Fixed Solids (SM 2540E)	2420		250	250	mg/L			12/05/24 14:49	1
pH (SW846 9040C)	7.62	HF	1.00	1.00	SU			12/04/24 16:46	1

**General Chemistry - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P (EPA 365.1)	1.71	F1	0.100	0.0300	mg/L			12/05/24 23:58	1
Chromium (VI) (SM 3500 CR B)	<0.0100	F1	0.0200	0.0100	mg/L			12/04/24 17:06	1

# Definitions/Glossary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Qualifiers

### GC/MS VOA

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.

### GC/MS Semi VOA

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.
S1-	Surrogate recovery exceeds control limits, low biased.

### GC Semi VOA

Qualifier	Qualifier Description
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.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

## 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.
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
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.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## 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

# Definitions/Glossary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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# Surrogate Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (73-130)	TOL (80-120)	BFB (80-120)
310-296428-1	CRLCSWAZ_Leachate_2024_12	107	99	97
310-296487-C-7 MS	Matrix Spike	94	102	102
310-296487-C-7 MSD	Matrix Spike Duplicate	95	102	102
LCS 310-441675/6	Lab Control Sample	100	103	99
LCS 310-441675/7	Lab Control Sample	114	98	95
MB 310-441675/5	Method Blank	112	96	97

**Surrogate Legend**

DBFM = Dibromofluoromethane (Surr)  
 TOL = Toluene-d8 (Surr)  
 BFB = 4-Bromofluorobenzene (Surr)

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (39-118)	2FP (25-110)	NBZ (45-129)	PHL (21-110)	TPHL (12-144)	TBP (27-136)
310-296428-1	CRLCSWAZ_Leachate_2024_12	95	71	81	67	60	120
LCS 310-441725/2-A	Lab Control Sample	79	60	63	46	93	109
LCS 310-441725/3-A	Lab Control Sample Dup	80	65	69	54	94	117
MB 310-441725/1-A	Method Blank	81	16 S1-	74	37	87	25 S1-

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)  
 2FP = 2-Fluorophenol (Surr)  
 NBZ = Nitrobenzene-d5 (Surr)  
 PHL = Phenol-d5 (Surr)  
 TPHL = Terphenyl-d14 (Surr)  
 TBP = 2,4,6-Tribromophenol (Surr)

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-136)	TCX1 (10-130)
310-296428-1	CRLCSWAZ_Leachate_2024_12	16	79
310-296428-1 MS	CRLCSWAZ_Leachate_2024_1 2	16	60
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_1 2	5 S1- p	91
LCS 310-441940/11-A	Lab Control Sample	70	67
MB 310-441940/1-A	Method Blank	79	87

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl (Surr)  
 TCX = Tetrachloro-m-xylene (Surr)

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# Surrogate Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-136)	TCX2 (10-130)
310-296428-1	CRLCSWAZ_Leachate_2024_12	16	77
LB 310-441456/1-E	Method Blank	46	88
LCS 310-441940/10-A	Lab Control Sample	88	86
MB 310-441940/1-A	Method Blank	84	93

**Surrogate Legend**  
DCB = DCB Decachlorobiphenyl (Surr)  
TCX = Tetrachloro-m-xylene (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (10-136)	TCX2 (10-130)
310-294767-A-1-H MS	Matrix Spike	6 S1-	64
310-294767-A-1-I MSD	Matrix Spike Duplicate	17	83

**Surrogate Legend**  
DCB = DCB Decachlorobiphenyl (Surr)  
TCX = Tetrachloro-m-xylene (Surr)

## Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (25-130)
310-296428-1	CRLCSWAZ_Leachate_2024_12	82
LB 500-797809/1-F	Method Blank	65
LCS 500-798779/2-A	Lab Control Sample	81
LCSD 500-798779/3-A	Lab Control Sample Dup	83
MB 500-798779/1-A	Method Blank	59

**Surrogate Legend**  
DCPAA = DCAA

## Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (25-130)
500-260803-D-20-I MS	Matrix Spike	92

**Surrogate Legend**  
DCPAA = DCAA

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-441675/5

Matrix: Water

Analysis Batch: 441675

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			12/06/24 01:08	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			12/06/24 01:08	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			12/06/24 01:08	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			12/06/24 01:08	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			12/06/24 01:08	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			12/06/24 01:08	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			12/06/24 01:08	1
1,2,3-Trichlorobenzene	<0.900		5.00	0.900	ug/L			12/06/24 01:08	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			12/06/24 01:08	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			12/06/24 01:08	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			12/06/24 01:08	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			12/06/24 01:08	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			12/06/24 01:08	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			12/06/24 01:08	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			12/06/24 01:08	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			12/06/24 01:08	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			12/06/24 01:08	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			12/06/24 01:08	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			12/06/24 01:08	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			12/06/24 01:08	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			12/06/24 01:08	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			12/06/24 01:08	1
2-Chloroethyl vinyl ether	<1.70		2.00	1.70	ug/L			12/06/24 01:08	1
2-Chlorotoluene	<0.280		1.00	0.280	ug/L			12/06/24 01:08	1
4-Chlorotoluene	<0.290		1.00	0.290	ug/L			12/06/24 01:08	1
Acetone	<3.10		10.0	3.10	ug/L			12/06/24 01:08	1
Benzene	<0.220		0.500	0.220	ug/L			12/06/24 01:08	1
Bromobenzene	<0.340		1.00	0.340	ug/L			12/06/24 01:08	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			12/06/24 01:08	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			12/06/24 01:08	1
Bromoform	<0.780		5.00	0.780	ug/L			12/06/24 01:08	1
Bromomethane	<1.10		4.00	1.10	ug/L			12/06/24 01:08	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			12/06/24 01:08	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			12/06/24 01:08	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			12/06/24 01:08	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			12/06/24 01:08	1
Chloroethane	<0.790		4.00	0.790	ug/L			12/06/24 01:08	1
Chloroform	<1.30		3.00	1.30	ug/L			12/06/24 01:08	1
Chloromethane	<0.610		3.00	0.610	ug/L			12/06/24 01:08	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			12/06/24 01:08	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			12/06/24 01:08	1
Dibromomethane	<0.330		1.00	0.330	ug/L			12/06/24 01:08	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			12/06/24 01:08	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			12/06/24 01:08	1
Hexachlorobutadiene	<1.40		5.00	1.40	ug/L			12/06/24 01:08	1
Hexane	<0.780		1.00	0.780	ug/L			12/06/24 01:08	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			12/06/24 01:08	1
Methyl tert-butyl ether	<0.490		1.00	0.490	ug/L			12/06/24 01:08	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-441675/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441675

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	<1.70		5.00	1.70	ug/L			12/06/24 01:08	1
Naphthalene	<3.00		5.00	3.00	ug/L			12/06/24 01:08	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			12/06/24 01:08	1
N-Propylbenzene	<0.390		1.00	0.390	ug/L			12/06/24 01:08	1
p-Isopropyltoluene	<0.330		1.00	0.330	ug/L			12/06/24 01:08	1
sec-Butylbenzene	<0.440		1.00	0.440	ug/L			12/06/24 01:08	1
Styrene	<0.370		1.00	0.370	ug/L			12/06/24 01:08	1
tert-Butylbenzene	<0.390		1.00	0.390	ug/L			12/06/24 01:08	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			12/06/24 01:08	1
Toluene	<0.430		1.00	0.430	ug/L			12/06/24 01:08	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			12/06/24 01:08	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			12/06/24 01:08	1
Trichloroethene	<0.430		1.00	0.430	ug/L			12/06/24 01:08	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			12/06/24 01:08	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			12/06/24 01:08	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			12/06/24 01:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	112		73 - 130		12/06/24 01:08	1
Toluene-d8 (Surr)	96		80 - 120		12/06/24 01:08	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/06/24 01:08	1

Lab Sample ID: LCS 310-441675/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.92		ug/L		115	73 - 129
1,1,2,2-Tetrachloroethane	20.0	22.91		ug/L		115	68 - 124
1,1,2-Trichloroethane	20.0	23.01		ug/L		115	73 - 123
1,1-Dichloroethane	20.0	21.83		ug/L		109	70 - 127
1,1-Dichloroethene	20.0	22.04		ug/L		110	63 - 132
1,1-Dichloropropene	20.0	23.48		ug/L		117	69 - 132
1,2,3-Trichlorobenzene	20.0	22.14		ug/L		111	50 - 150
1,2,3-Trichloropropane	20.0	22.57		ug/L		113	65 - 127
1,2,4-Trichlorobenzene	20.0	21.59		ug/L		108	68 - 124
1,2,4-Trimethylbenzene	20.0	23.43		ug/L		117	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.77		ug/L		109	50 - 150
1,2-Dibromoethane (EDB)	20.0	22.10		ug/L		110	75 - 125
1,2-Dichlorobenzene	20.0	20.87		ug/L		104	74 - 120
1,2-Dichloroethane	20.0	23.52		ug/L		118	71 - 125
1,2-Dichloropropane	20.0	23.16		ug/L		116	73 - 124
1,3,5-Trimethylbenzene	20.0	23.48		ug/L		117	73 - 123
1,3-Dichlorobenzene	20.0	20.95		ug/L		105	72 - 120
1,3-Dichloropropane	20.0	23.02		ug/L		115	72 - 125
1,4-Dichlorobenzene	20.0	21.05		ug/L		105	72 - 120
2,2-Dichloropropane	20.0	20.48		ug/L		102	50 - 150

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-441675/6

Matrix: Water

Analysis Batch: 441675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2-Butanone (MEK)	40.0	41.77		ug/L		104	50 - 150
2-Chloroethyl vinyl ether	20.0	23.15		ug/L		116	48 - 150
2-Chlorotoluene	20.0	21.26		ug/L		106	73 - 121
4-Chlorotoluene	20.0	21.85		ug/L		109	72 - 121
Acetone	40.0	40.40		ug/L		101	50 - 150
Benzene	20.0	21.94		ug/L		110	72 - 124
Bromobenzene	20.0	21.20		ug/L		106	72 - 120
Bromochloromethane	20.0	22.13		ug/L		111	73 - 130
Bromodichloromethane	20.0	21.96		ug/L		110	74 - 122
Bromoform	20.0	20.29		ug/L		101	61 - 122
Carbon disulfide	20.0	21.49		ug/L		107	59 - 135
Carbon tetrachloride	20.0	22.99		ug/L		115	67 - 132
Chlorobenzene	20.0	21.26		ug/L		106	76 - 120
Chlorodibromomethane	20.0	22.85		ug/L		114	71 - 121
Chloroform	20.0	23.62		ug/L		118	72 - 125
cis-1,2-Dichloroethene	20.0	21.28		ug/L		106	74 - 123
cis-1,3-Dichloropropene	20.0	22.93		ug/L		115	71 - 125
Dibromomethane	20.0	22.88		ug/L		114	74 - 125
Ethylbenzene	20.0	22.08		ug/L		110	74 - 122
Hexachlorobutadiene	20.0	22.23		ug/L		111	50 - 150
Hexane	20.0	20.70		ug/L		103	45 - 150
Isopropylbenzene	20.0	23.17		ug/L		116	73 - 125
Methyl tert-butyl ether	20.0	21.72		ug/L		109	68 - 130
Methylene Chloride	20.0	22.64		ug/L		113	50 - 150
Naphthalene	20.0	23.71		ug/L		119	50 - 150
n-Butylbenzene	20.0	24.30		ug/L		121	67 - 131
N-Propylbenzene	20.0	22.45		ug/L		112	72 - 126
p-Isopropyltoluene	20.0	23.22		ug/L		116	70 - 127
sec-Butylbenzene	20.0	23.90		ug/L		120	70 - 127
Styrene	20.0	22.95		ug/L		115	74 - 121
tert-Butylbenzene	20.0	23.12		ug/L		116	72 - 124
Tetrachloroethene	20.0	21.80		ug/L		109	71 - 130
Toluene	20.0	21.68		ug/L		108	74 - 123
trans-1,2-Dichloroethene	20.0	21.04		ug/L		105	70 - 126
trans-1,3-Dichloropropene	20.0	20.55		ug/L		103	69 - 123
Trichloroethene	20.0	22.11		ug/L		111	72 - 126
Xylenes, Total	40.0	42.94		ug/L		107	73 - 123

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	100		73 - 130
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-441675/7

Matrix: Water

Analysis Batch: 441675

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	20.20		ug/L		101	23 - 150
Chloroethane	20.0	21.28		ug/L		106	54 - 136
Chloromethane	20.0	20.91		ug/L		105	38 - 150
Dichlorodifluoromethane	20.0	24.34		ug/L		122	39 - 150
Trichlorofluoromethane	20.0	23.83		ug/L		119	54 - 149
Vinyl chloride	20.0	21.98		ug/L		110	56 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	114		73 - 130
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120

Lab Sample ID: 310-296487-C-7 MS

Matrix: Water

Analysis Batch: 441675

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
1,1,1,2-Tetrachloroethane	<1.90		100	96.38		ug/L		96	55 - 130
1,1,1-Trichloroethane	<0.950		100	95.13		ug/L		95	52 - 130
1,1,2,2-Tetrachloroethane	<2.35		100	101.9		ug/L		102	54 - 130
1,1,2-Trichloroethane	<2.25		100	100.5		ug/L		100	58 - 130
1,1-Dichloroethane	<1.10		100	92.90		ug/L		93	49 - 130
1,1-Dichloroethene	<2.80		100	94.19		ug/L		94	37 - 132
1,1-Dichloropropene	<2.15		100	99.85		ug/L		100	50 - 132
1,2,3-Trichlorobenzene	<4.50		100	103.5		ug/L		103	38 - 150
1,2,3-Trichloropropane	<2.95		100	103.7		ug/L		104	49 - 130
1,2,4-Trichlorobenzene	<3.75		100	105.6		ug/L		106	55 - 130
1,2,4-Trimethylbenzene	<2.10		100	101.8		ug/L		102	49 - 130
1,2-Dibromo-3-Chloropropane	<6.00		100	93.99		ug/L		94	38 - 150
1,2-Dibromoethane (EDB)	<1.70		100	98.63		ug/L		99	60 - 130
1,2-Dichlorobenzene	<1.85		100	94.95		ug/L		95	59 - 130
1,2-Dichloroethane	<1.95		100	99.39		ug/L		99	51 - 130
1,2-Dichloropropane	<1.35		100	102.2		ug/L		102	57 - 130
1,3,5-Trimethylbenzene	<1.85		100	100.7		ug/L		101	50 - 130
1,3-Dichlorobenzene	<1.50		100	92.62		ug/L		93	57 - 130
1,3-Dichloropropane	<2.00		100	100.3		ug/L		100	56 - 130
1,4-Dichlorobenzene	<1.15		100	96.61		ug/L		97	57 - 130
2,2-Dichloropropane	<3.45		100	83.42		ug/L		83	25 - 150
2-Butanone (MEK)	<10.5		200	212.8		ug/L		106	38 - 150
2-Chloroethyl vinyl ether	<8.50		100	105.4		ug/L		105	22 - 150
2-Chlorotoluene	<1.40		100	92.92		ug/L		93	55 - 130
4-Chlorotoluene	<1.45		100	95.65		ug/L		96	50 - 130
Acetone	<15.5		200	194.1		ug/L		97	31 - 150
Benzene	1.31	J	100	94.74		ug/L		93	46 - 130
Bromobenzene	<1.70		100	95.26		ug/L		95	57 - 130
Bromochloromethane	<2.70		100	92.50		ug/L		93	57 - 130
Bromodichloromethane	<1.95		100	92.25		ug/L		92	57 - 130
Bromoform	<3.90		100	87.45		ug/L		87	44 - 130

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-296487-C-7 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441675

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Carbon disulfide	<2.25		100	101.3		ug/L		101	38 - 135
Carbon tetrachloride	<3.25		100	91.58		ug/L		92	45 - 132
Chlorobenzene	<2.00		100	92.46		ug/L		92	59 - 130
Chlorodibromomethane	<3.75		100	92.83		ug/L		93	54 - 130
Chloroform	<6.50		100	96.04		ug/L		96	51 - 130
cis-1,2-Dichloroethene	<1.05		100	92.85		ug/L		93	45 - 130
cis-1,3-Dichloropropene	<1.25		100	99.60		ug/L		100	53 - 130
Dibromomethane	<1.65		100	97.81		ug/L		98	59 - 130
Ethylbenzene	2.32	J	100	96.08		ug/L		94	45 - 130
Hexachlorobutadiene	<7.00		100	116.8		ug/L		117	28 - 150
Hexane	<3.90		100	92.87		ug/L		93	22 - 150
Isopropylbenzene	<1.75		100	99.03		ug/L		99	46 - 130
Methyl tert-butyl ether	<2.45		100	102.8		ug/L		103	52 - 130
Methylene Chloride	<8.50		100	98.27		ug/L		98	37 - 150
Naphthalene	<15.0		100	108.7		ug/L		109	40 - 150
n-Butylbenzene	<2.20		100	113.2		ug/L		113	45 - 131
N-Propylbenzene	<1.95		100	98.26		ug/L		98	47 - 130
p-Isopropyltoluene	<1.65		100	103.9		ug/L		104	50 - 130
sec-Butylbenzene	<2.20		100	102.5		ug/L		102	48 - 130
Styrene	<1.85		100	101.1		ug/L		101	47 - 130
tert-Butylbenzene	<1.95		100	97.97		ug/L		98	52 - 130
Tetrachloroethene	<2.40		100	90.77		ug/L		91	47 - 130
Toluene	<2.15		100	92.92		ug/L		93	51 - 130
trans-1,2-Dichloroethene	<1.35		100	90.71		ug/L		91	48 - 130
trans-1,3-Dichloropropene	<2.80		100	90.00		ug/L		90	50 - 130
Trichloroethene	<2.15		100	93.64		ug/L		94	51 - 130
Xylenes, Total	2.51	J	200	192.1		ug/L		95	43 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	94		73 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: 310-296487-C-7 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441675

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	<1.90		100	94.88		ug/L		95	55 - 130	2	20
1,1,1-Trichloroethane	<0.950		100	96.57		ug/L		97	52 - 130	2	20
1,1,1,2,2-Tetrachloroethane	<2.35		100	103.1		ug/L		103	54 - 130	1	20
1,1,2-Trichloroethane	<2.25		100	100.7		ug/L		101	58 - 130	0	20
1,1-Dichloroethane	<1.10		100	94.70		ug/L		95	49 - 130	2	20
1,1-Dichloroethene	<2.80		100	91.25		ug/L		91	37 - 132	3	26
1,1-Dichloropropene	<2.15		100	98.43		ug/L		98	50 - 132	1	20
1,2,3-Trichlorobenzene	<4.50		100	102.1		ug/L		102	38 - 150	1	21
1,2,3-Trichloropropane	<2.95		100	105.1		ug/L		105	49 - 130	1	26
1,2,4-Trichlorobenzene	<3.75		100	104.3		ug/L		104	55 - 130	1	20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-296487-C-7 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441675

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,2,4-Trimethylbenzene	<2.10		100	104.0		ug/L		104	49 - 130	2	25
1,2-Dibromo-3-Chloropropane	<6.00		100	98.99		ug/L		99	38 - 150	5	20
1,2-Dibromoethane (EDB)	<1.70		100	100.6		ug/L		101	60 - 130	2	20
1,2-Dichlorobenzene	<1.85		100	94.58		ug/L		95	59 - 130	0	20
1,2-Dichloroethane	<1.95		100	101.5		ug/L		101	51 - 130	2	20
1,2-Dichloropropane	<1.35		100	101.2		ug/L		101	57 - 130	1	20
1,3,5-Trimethylbenzene	<1.85		100	103.5		ug/L		103	50 - 130	3	32
1,3-Dichlorobenzene	<1.50		100	92.70		ug/L		93	57 - 130	0	20
1,3-Dichloropropane	<2.00		100	101.1		ug/L		101	56 - 130	1	20
1,4-Dichlorobenzene	<1.15		100	94.64		ug/L		95	57 - 130	2	20
2,2-Dichloropropane	<3.45		100	88.21		ug/L		88	25 - 150	6	25
2-Butanone (MEK)	<10.5		200	209.5		ug/L		105	38 - 150	2	20
2-Chloroethyl vinyl ether	<8.50		100	108.7		ug/L		109	22 - 150	3	25
2-Chlorotoluene	<1.40		100	94.29		ug/L		94	55 - 130	1	20
4-Chlorotoluene	<1.45		100	95.62		ug/L		96	50 - 130	0	20
Acetone	<15.5		200	213.8		ug/L		107	31 - 150	10	29
Benzene	1.31	J	100	94.28		ug/L		93	46 - 130	0	20
Bromobenzene	<1.70		100	93.10		ug/L		93	57 - 130	2	20
Bromochloromethane	<2.70		100	96.04		ug/L		96	57 - 130	4	20
Bromodichloromethane	<1.95		100	93.27		ug/L		93	57 - 130	1	20
Bromoform	<3.90		100	88.60		ug/L		89	44 - 130	1	20
Carbon disulfide	<2.25		100	91.57		ug/L		92	38 - 135	10	30
Carbon tetrachloride	<3.25		100	93.99		ug/L		94	45 - 132	3	20
Chlorobenzene	<2.00		100	92.89		ug/L		93	59 - 130	0	20
Chlorodibromomethane	<3.75		100	96.98		ug/L		97	54 - 130	4	20
Chloroform	<6.50		100	96.97		ug/L		97	51 - 130	1	20
cis-1,2-Dichloroethene	<1.05		100	91.45		ug/L		91	45 - 130	2	20
cis-1,3-Dichloropropene	<1.25		100	99.76		ug/L		100	53 - 130	0	20
Dibromomethane	<1.65		100	96.28		ug/L		96	59 - 130	2	20
Ethylbenzene	2.32	J	100	94.98		ug/L		93	45 - 130	1	20
Hexachlorobutadiene	<7.00		100	94.13		ug/L		94	28 - 150	22	24
Hexane	<3.90		100	96.76		ug/L		97	22 - 150	4	20
Isopropylbenzene	<1.75		100	100.2		ug/L		100	46 - 130	1	20
Methyl tert-butyl ether	<2.45		100	107.0		ug/L		107	52 - 130	4	20
Methylene Chloride	<8.50		100	97.21		ug/L		97	37 - 150	1	24
Naphthalene	<15.0		100	110.7		ug/L		111	40 - 150	2	30
n-Butylbenzene	<2.20		100	109.2		ug/L		109	45 - 131	4	20
N-Propylbenzene	<1.95		100	99.75		ug/L		100	47 - 130	2	20
p-Isopropyltoluene	<1.65		100	105.4		ug/L		105	50 - 130	2	20
sec-Butylbenzene	<2.20		100	104.2		ug/L		104	48 - 130	2	20
Styrene	<1.85		100	97.96		ug/L		98	47 - 130	3	20
tert-Butylbenzene	<1.95		100	100.1		ug/L		100	52 - 130	2	20
Tetrachloroethene	<2.40		100	92.45		ug/L		92	47 - 130	2	20
Toluene	<2.15		100	93.34		ug/L		93	51 - 130	0	20
trans-1,2-Dichloroethene	<1.35		100	88.72		ug/L		89	48 - 130	2	22
trans-1,3-Dichloropropene	<2.80		100	92.07		ug/L		92	50 - 130	2	20
Trichloroethene	<2.15		100	93.07		ug/L		93	51 - 130	1	20
Xylenes, Total	2.51	J	200	189.0		ug/L		93	43 - 130	2	20

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 310-296487-C-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 441675**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	95		73 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

## Method: 8270E - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 310-441725/1-A**  
**Matrix: Water**  
**Analysis Batch: 441805**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 441725**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.640		10.0	0.640	ug/L		12/06/24 07:00	12/06/24 13:36	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		12/06/24 07:00	12/06/24 13:36	1
Acetophenone	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Anthracene	<0.870		10.0	0.870	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzoic acid	<17.0		100	17.0	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		12/06/24 07:00	12/06/24 13:36	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		12/06/24 07:00	12/06/24 13:36	1
bis(2-chloroisopropyl) ether	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 13:36	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 13:36	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		12/06/24 07:00	12/06/24 13:36	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 13:36	1
Chrysene	<0.870		10.0	0.870	ug/L		12/06/24 07:00	12/06/24 13:36	1
Diallate	<4.00		10.0	4.00	ug/L		12/06/24 07:00	12/06/24 13:36	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		12/06/24 07:00	12/06/24 13:36	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		12/06/24 07:00	12/06/24 13:36	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
Dimethoate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		12/06/24 07:00	12/06/24 13:36	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		12/06/24 07:00	12/06/24 13:36	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 310-441725/1-A**

**Client Sample ID: Method Blank**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 441805**

**Prep Batch: 441725**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		12/06/24 07:00	12/06/24 13:36	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		12/06/24 07:00	12/06/24 13:36	1
Dinoseb	<2.40		10.0	2.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
Diphenylamine	<6.00		10.0	6.00	ug/L		12/06/24 07:00	12/06/24 13:36	1
Disulfoton	<2.40		10.0	2.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Famphur	<3.80		10.0	3.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
Fluoranthene	<1.70		10.0	1.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
Fluorene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 13:36	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 13:36	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		12/06/24 07:00	12/06/24 13:36	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		12/06/24 07:00	12/06/24 13:36	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		12/06/24 07:00	12/06/24 13:36	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Isodrin	<4.70		10.0	4.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
Isophorone	<0.930		10.0	0.930	ug/L		12/06/24 07:00	12/06/24 13:36	1
Isosafrole	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
Kepone	<1.00		10.0	1.00	ug/L		12/06/24 07:00	12/06/24 13:36	1
Methapyrilene	<0.760		10.0	0.760	ug/L		12/06/24 07:00	12/06/24 13:36	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		12/06/24 07:00	12/06/24 13:36	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		12/06/24 07:00	12/06/24 13:36	1
Methyl parathion	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		12/06/24 07:00	12/06/24 13:36	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		12/06/24 07:00	12/06/24 13:36	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		12/06/24 07:00	12/06/24 13:36	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 13:36	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 310-441725/1-A**  
**Matrix: Water**  
**Analysis Batch: 441805**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 441725**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
o,o',o"-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
o-Toluidine	<2.90		10.0	2.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
Phenacetin	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
Phenanthrene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 13:36	1
Phenol	<1.10		10.0	1.10	ug/L		12/06/24 07:00	12/06/24 13:36	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		12/06/24 07:00	12/06/24 13:36	1
Phorate	<3.20		10.0	3.20	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pronamide	<2.70		10.0	2.70	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pyrene	<0.790		10.0	0.790	ug/L		12/06/24 07:00	12/06/24 13:36	1
Pyridine	<1.60		10.0	1.60	ug/L		12/06/24 07:00	12/06/24 13:36	1
Safrole	<2.80		10.0	2.80	ug/L		12/06/24 07:00	12/06/24 13:36	1
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
Thionazin	<3.50		10.0	3.50	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		12/06/24 07:00	12/06/24 13:36	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		12/06/24 07:00	12/06/24 13:36	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		12/06/24 07:00	12/06/24 13:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	81		39 - 118	12/06/24 07:00	12/06/24 13:36	1
2-Fluorophenol (Surr)	16	S1-	25 - 110	12/06/24 07:00	12/06/24 13:36	1
Nitrobenzene-d5 (Surr)	74		45 - 129	12/06/24 07:00	12/06/24 13:36	1
Phenol-d5 (Surr)	37		21 - 110	12/06/24 07:00	12/06/24 13:36	1
Terphenyl-d14 (Surr)	87		12 - 144	12/06/24 07:00	12/06/24 13:36	1
2,4,6-Tribromophenol (Surr)	25	S1-	27 - 136	12/06/24 07:00	12/06/24 13:36	1

**Lab Sample ID: LCS 310-441725/2-A**  
**Matrix: Water**  
**Analysis Batch: 441805**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441725**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	100	86.19		ug/L		86	40 - 110
Acetophenone	100	71.20		ug/L		71	48 - 119
Anthracene	100	93.72		ug/L		94	51 - 120
Benzo[a]anthracene	100	97.43		ug/L		97	51 - 123
Benzo[a]pyrene	100	93.75		ug/L		94	48 - 125
Benzo[b]fluoranthene	100	94.58		ug/L		95	49 - 129
Benzo[g,h,i]perylene	100	87.56		ug/L		88	43 - 139
Benzo[k]fluoranthene	100	108.8		ug/L		109	47 - 130
Benzyl alcohol	100	75.75		ug/L		76	39 - 128
Bis(2-chloroethoxy)methane	100	79.28		ug/L		79	48 - 121
Bis(2-chloroethyl)ether	100	69.89		ug/L		70	43 - 123

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-441725/2-A

Matrix: Water

Analysis Batch: 441805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 441725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	100	67.29		ug/L		67	34 - 123
Bis(2-ethylhexyl) phthalate	100	89.14		ug/L		89	43 - 143
4-Bromophenyl phenyl ether	100	95.57		ug/L		96	45 - 119
Butyl benzyl phthalate	100	86.80		ug/L		87	46 - 135
4-Chloroaniline	100	83.90		ug/L		84	21 - 139
4-Chloro-3-methylphenol	100	91.42		ug/L		91	49 - 130
2-Chloronaphthalene	100	72.22		ug/L		72	37 - 110
2-Chlorophenol	100	79.62		ug/L		80	44 - 117
4-Chlorophenyl phenyl ether	100	90.53		ug/L		91	44 - 116
Chrysene	100	96.26		ug/L		96	51 - 125
Dibenzo(a,h)anthracene	100	83.50		ug/L		83	38 - 149
Dibenzofuran	100	86.52		ug/L		87	45 - 112
2,4-Dichlorophenol	100	101.2		ug/L		101	41 - 124
2,6-Dichlorophenol	100	97.87		ug/L		98	30 - 130
Diethyl phthalate	100	92.28		ug/L		92	43 - 135
2,4-Dimethylphenol	100	79.17		ug/L		79	31 - 142
Dimethyl phthalate	100	96.01		ug/L		96	43 - 129
Di-n-butyl phthalate	100	99.94		ug/L		100	50 - 133
1,3-Dinitrobenzene	100	104.7		ug/L		105	45 - 138
4,6-Dinitro-2-methylphenol	200	250.5		ug/L		125	22 - 143
2,4-Dinitrophenol	200	239.7		ug/L		120	10 - 138
2,4-Dinitrotoluene	100	105.9		ug/L		106	47 - 137
2,6-Dinitrotoluene	100	102.0		ug/L		102	51 - 130
Di-n-octyl phthalate	100	100.6		ug/L		101	34 - 150
Fluoranthene	100	105.7		ug/L		106	47 - 128
Fluorene	100	96.34		ug/L		96	45 - 119
Hexachlorobenzene	100	96.09		ug/L		96	48 - 119
Hexachlorobutadiene	100	67.80		ug/L		68	32 - 110
Hexachlorocyclopentadiene	100	52.33		ug/L		52	10 - 110
Hexachloroethane	100	47.54		ug/L		48	31 - 110
Indeno[1,2,3-cd]pyrene	100	101.3		ug/L		101	37 - 150
Isophorone	100	84.49		ug/L		84	50 - 125
2-Methylnaphthalene	100	83.44		ug/L		83	33 - 110
2-Methylphenol	100	74.89		ug/L		75	47 - 118
Methylphenol, 3 & 4	100	73.66		ug/L		74	46 - 117
2-Nitroaniline	100	98.52		ug/L		99	50 - 135
3-Nitroaniline	100	109.8		ug/L		110	42 - 139
4-Nitroaniline	100	87.65		ug/L		88	31 - 145
Nitrobenzene	100	75.63		ug/L		76	47 - 116
2-Nitrophenol	100	110.2		ug/L		110	41 - 129
4-Nitrophenol	200	113.4		ug/L		57	18 - 110
N-Nitrosodimethylamine	100	58.06		ug/L		58	37 - 110
N-Nitrosodi-n-propylamine	100	71.70		ug/L		72	45 - 130
N-Nitrosodiphenylamine	100	90.78		ug/L		91	49 - 121
Pentachlorophenol	200	196.4		ug/L		98	26 - 133
Phenanthrene	100	91.75		ug/L		92	51 - 117
Phenol	100	49.60		ug/L		50	29 - 110
Pyrene	100	95.86		ug/L		96	48 - 127
Pyridine	200	35.69		ug/L		18	10 - 110

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-441725/2-A

Matrix: Water

Analysis Batch: 441805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 441725

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	100	76.40		ug/L		76	36 - 110
2,3,4,6-Tetrachlorophenol	100	103.7		ug/L		104	33 - 134
2,4,5-Trichlorophenol	100	104.2		ug/L		104	35 - 133
2,4,6-Trichlorophenol	100	104.5		ug/L		104	28 - 139

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	79		39 - 118
2-Fluorophenol (Surr)	60		25 - 110
Nitrobenzene-d5 (Surr)	63		45 - 129
Phenol-d5 (Surr)	46		21 - 110
Terphenyl-d14 (Surr)	93		12 - 144
2,4,6-Tribromophenol (Surr)	109		27 - 136

Lab Sample ID: LCSD 310-441725/3-A

Matrix: Water

Analysis Batch: 441805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 441725

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Added	Result	Qualifier						
Acenaphthene	100	77.23		ug/L		77	43 - 110	19	35
Acenaphthylene	100	71.77		ug/L		72	40 - 110	18	35
Acetophenone	100	64.75		ug/L		65	48 - 119	9	35
Anthracene	100	78.54		ug/L		79	51 - 120	18	35
Benzo[a]anthracene	100	80.14		ug/L		80	51 - 123	19	35
Benzo[a]pyrene	100	75.17		ug/L		75	48 - 125	22	35
Benzo[b]fluoranthene	100	77.58		ug/L		78	49 - 129	20	35
Benzo[g,h,i]perylene	100	70.53		ug/L		71	43 - 139	22	35
Benzo[k]fluoranthene	100	84.11		ug/L		84	47 - 130	26	35
Benzyl alcohol	100	69.03		ug/L		69	39 - 128	9	35
Bis(2-chloroethoxy)methane	100	68.01		ug/L		68	48 - 121	15	35
Bis(2-chloroethyl)ether	100	63.70		ug/L		64	43 - 123	9	35
bis (2-chloroisopropyl) ether	100	59.46		ug/L		59	34 - 123	12	35
Bis(2-ethylhexyl) phthalate	100	73.16		ug/L		73	43 - 143	20	35
4-Bromophenyl phenyl ether	100	78.24		ug/L		78	45 - 119	20	35
Butyl benzyl phthalate	100	71.93		ug/L		72	46 - 135	19	35
4-Chloroaniline	100	66.20		ug/L		66	21 - 139	24	35
4-Chloro-3-methylphenol	100	81.61		ug/L		82	49 - 130	11	35
2-Chloronaphthalene	100	62.52		ug/L		63	37 - 110	14	35
2-Chlorophenol	100	70.84		ug/L		71	44 - 117	12	35
4-Chlorophenyl phenyl ether	100	75.29		ug/L		75	44 - 116	18	35
Chrysene	100	79.53		ug/L		80	51 - 125	19	35
Dibenzo(a,h)anthracene	100	67.73		ug/L		68	38 - 149	21	35
Dibenzofuran	100	72.88		ug/L		73	45 - 112	17	35
2,4-Dichlorophenol	100	91.31		ug/L		91	41 - 124	10	35
2,6-Dichlorophenol	100	88.13		ug/L		88	30 - 130	10	35
Diethyl phthalate	100	76.59		ug/L		77	43 - 135	19	35
2,4-Dimethylphenol	100	67.68		ug/L		68	31 - 142	16	35
Dimethyl phthalate	100	79.52		ug/L		80	43 - 129	19	35
Di-n-butyl phthalate	100	80.80		ug/L		81	50 - 133	21	35

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-441725/3-A

Matrix: Water

Analysis Batch: 441805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 441725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1,3-Dinitrobenzene	100	90.28		ug/L		90	45 - 138	15	35	
4,6-Dinitro-2-methylphenol	200	216.4		ug/L		108	22 - 143	15	35	
2,4-Dinitrophenol	200	209.2		ug/L		105	10 - 138	14	35	
2,4-Dinitrotoluene	100	86.42		ug/L		86	47 - 137	20	35	
2,6-Dinitrotoluene	100	86.31		ug/L		86	51 - 130	17	35	
Di-n-octyl phthalate	100	86.71		ug/L		87	34 - 150	15	35	
Fluoranthene	100	84.73		ug/L		85	47 - 128	22	35	
Fluorene	100	80.66		ug/L		81	45 - 119	18	35	
Hexachlorobenzene	100	81.56		ug/L		82	48 - 119	16	35	
Hexachlorobutadiene	100	65.87		ug/L		66	32 - 110	3	35	
Hexachlorocyclopentadiene	100	52.64		ug/L		53	10 - 110	1	35	
Hexachloroethane	100	47.18		ug/L		47	31 - 110	1	35	
Indeno[1,2,3-cd]pyrene	100	81.44		ug/L		81	37 - 150	22	35	
Isophorone	100	74.39		ug/L		74	50 - 125	13	35	
2-Methylnaphthalene	100	73.36		ug/L		73	33 - 110	13	35	
2-Methylphenol	100	67.58		ug/L		68	47 - 118	10	35	
Methylphenol, 3 & 4	100	66.91		ug/L		67	46 - 117	10	35	
2-Nitroaniline	100	83.81		ug/L		84	50 - 135	16	35	
3-Nitroaniline	100	90.26		ug/L		90	42 - 139	19	35	
4-Nitroaniline	100	70.57		ug/L		71	31 - 145	22	35	
Nitrobenzene	100	67.55		ug/L		68	47 - 116	11	35	
2-Nitrophenol	100	97.46		ug/L		97	41 - 129	12	35	
4-Nitrophenol	200	105.5		ug/L		53	18 - 110	7	35	
N-Nitrosodimethylamine	100	51.90		ug/L		52	37 - 110	11	35	
N-Nitrosodi-n-propylamine	100	65.75		ug/L		66	45 - 130	9	35	
N-Nitrosodiphenylamine	100	76.96		ug/L		77	49 - 121	16	35	
Pentachlorophenol	200	163.0		ug/L		81	26 - 133	19	35	
Phenanthrene	100	77.36		ug/L		77	51 - 117	17	35	
Phenol	100	46.64		ug/L		47	29 - 110	6	35	
Pyrene	100	79.90		ug/L		80	48 - 127	18	35	
Pyridine	200	34.46		ug/L		17	10 - 110	4	35	
1,2,4,5-Tetrachlorobenzene	100	69.37		ug/L		69	36 - 110	10	35	
2,3,4,6-Tetrachlorophenol	100	87.87		ug/L		88	33 - 134	17	35	
2,4,5-Trichlorophenol	100	87.81		ug/L		88	35 - 133	17	35	
2,4,6-Trichlorophenol	100	88.47		ug/L		88	28 - 139	17	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	80		39 - 118
2-Fluorophenol (Surr)	65		25 - 110
Nitrobenzene-d5 (Surr)	69		45 - 129
Phenol-d5 (Surr)	54		21 - 110
Terphenyl-d14 (Surr)	94		12 - 144
2,4,6-Tribromophenol (Surr)	117		27 - 136

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8081B - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 310-441940/1-A**  
**Matrix: Water**  
**Analysis Batch: 441920**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.0202		0.0919	0.0202	ug/L		12/09/24 09:18	12/09/24 17:02	1
alpha-BHC	<0.00919		0.0919	0.00919	ug/L		12/09/24 09:18	12/09/24 17:02	1
beta-BHC	<0.0386		0.0919	0.0386	ug/L		12/09/24 09:18	12/09/24 17:02	1
gamma-BHC (Lindane)	<0.00919		0.0919	0.00919	ug/L		12/09/24 09:18	12/09/24 17:02	1
Chlordane (technical)	<0.358		1.84	0.358	ug/L		12/09/24 09:18	12/09/24 17:02	1
delta-BHC	<0.0294		0.0919	0.0294	ug/L		12/09/24 09:18	12/09/24 17:02	1
Dieldrin	<0.0193		0.0919	0.0193	ug/L		12/09/24 09:18	12/09/24 17:02	1
4,4'-DDD	<0.0230		0.0919	0.0230	ug/L		12/09/24 09:18	12/09/24 17:02	1
4,4'-DDE	<0.0276		0.0919	0.0276	ug/L		12/09/24 09:18	12/09/24 17:02	1
4,4'-DDT	<0.0184		0.0919	0.0184	ug/L		12/09/24 09:18	12/09/24 17:02	1
Endosulfan I	<0.0257		0.0919	0.0257	ug/L		12/09/24 09:18	12/09/24 17:02	1
Endosulfan II	<0.0239		0.0919	0.0239	ug/L		12/09/24 09:18	12/09/24 17:02	1
Endosulfan sulfate	<0.0165		0.0919	0.0165	ug/L		12/09/24 09:18	12/09/24 17:02	1
Endrin	<0.0257		0.0919	0.0257	ug/L		12/09/24 09:18	12/09/24 17:02	1
Endrin aldehyde	<0.0248		0.0919	0.0248	ug/L		12/09/24 09:18	12/09/24 17:02	1
Heptachlor	<0.0211		0.0919	0.0211	ug/L		12/09/24 09:18	12/09/24 17:02	1
Heptachlor epoxide	<0.0294		0.0919	0.0294	ug/L		12/09/24 09:18	12/09/24 17:02	1
Methoxychlor	<0.0294		0.0919	0.0294	ug/L		12/09/24 09:18	12/09/24 17:02	1
Toxaphene	<0.919		1.84	0.919	ug/L		12/09/24 09:18	12/09/24 17:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	79		10 - 136	12/09/24 09:18	12/09/24 17:02	1
Tetrachloro-m-xylene (Surr)	87		10 - 130	12/09/24 09:18	12/09/24 17:02	1

**Lab Sample ID: LCS 310-441940/11-A**  
**Matrix: Water**  
**Analysis Batch: 442075**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aldrin	2.60	1.962		ug/L		76	13 - 120
alpha-BHC	2.60	2.896		ug/L		112	36 - 127
beta-BHC	2.60	2.683		ug/L		103	37 - 136
gamma-BHC (Lindane)	2.60	2.903		ug/L		112	36 - 132
delta-BHC	2.60	2.258		ug/L		87	33 - 134
Dieldrin	2.60	2.798		ug/L		108	39 - 130
4,4'-DDD	2.60	2.482		ug/L		96	36 - 149
4,4'-DDE	2.60	1.743		ug/L		67	34 - 130
4,4'-DDT	2.60	1.830		ug/L		70	23 - 150
Endosulfan I	2.60	2.373		ug/L		91	10 - 120
Endosulfan II	2.60	2.570		ug/L		99	14 - 120
Endosulfan sulfate	2.60	3.221		ug/L		124	36 - 147
Endrin	2.60	2.799		ug/L		108	39 - 140
Endrin aldehyde	2.60	2.708		ug/L		104	32 - 137
Heptachlor	2.60	2.124		ug/L		82	27 - 120
Heptachlor epoxide	2.60	2.814		ug/L		108	38 - 133
Methoxychlor	2.60	2.694		ug/L		104	10 - 150

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 310-441940/11-A**  
**Matrix: Water**  
**Analysis Batch: 442075**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	70		10 - 136
Tetrachloro-m-xylene (Surr)	67		10 - 130

**Lab Sample ID: 310-296428-1 MS**  
**Matrix: Water**  
**Analysis Batch: 442075**

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Aldrin	<0.0196		2.65	1.274		ug/L		48	13 - 120	
alpha-BHC	<0.00893		2.65	2.509		ug/L		95	36 - 127	
beta-BHC	<0.0375		2.65	2.820		ug/L		102	37 - 136	
gamma-BHC (Lindane)	0.0150	J p	2.65	2.764		ug/L		104	36 - 132	
delta-BHC	<0.0286		2.65	2.740		ug/L		104	33 - 134	
Dieldrin	<0.0188		2.65	2.148		ug/L		81	39 - 130	
4,4'-DDD	<0.0223	J F2	2.65	1.854		ug/L		69	36 - 149	
4,4'-DDE	<0.0268		2.65	0.9273		ug/L		35	34 - 130	
4,4'-DDT	<0.0179		2.65	1.066		ug/L		40	23 - 150	
Endosulfan I	<0.0250		2.65	1.818		ug/L		69	10 - 120	
Endosulfan II	<0.0232		2.65	2.105		ug/L		80	14 - 120	
Endosulfan sulfate	<0.0161		2.65	3.276		ug/L		124	36 - 147	
Endrin	<0.0250	F2 F1	2.65	2.265		ug/L		86	39 - 140	
Endrin aldehyde	<0.0241		2.65	2.358		ug/L		89	32 - 137	
Heptachlor	<0.0205	F2	2.65	1.707		ug/L		65	27 - 120	
Heptachlor epoxide	<0.0286		2.65	2.193		ug/L		83	38 - 133	
Methoxychlor	<0.0286		2.65	2.488		ug/L		94	10 - 150	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	16		10 - 136
Tetrachloro-m-xylene (Surr)	60		10 - 130

**Lab Sample ID: 310-296428-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 442075**

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Aldrin	<0.0196		2.57	1.367		ug/L		53	13 - 120	7	35	
alpha-BHC	<0.00893		2.57	2.929		ug/L		114	36 - 127	14	35	
beta-BHC	<0.0375		2.57	2.893		ug/L		107	37 - 136	3	35	
gamma-BHC (Lindane)	0.0150	J p	2.57	3.042		ug/L		118	36 - 132	10	35	
delta-BHC	<0.0286		2.57	2.759		ug/L		107	33 - 134	1	35	
Dieldrin	<0.0188	F2	2.57	2.972	F2	ug/L		116	39 - 130	37	35	
4,4'-DDD	<0.0223	F2	2.57	2.537	F2	ug/L		99	36 - 149	43	35	
4,4'-DDE	<0.0268	F1	2.57	0.8497	F1	ug/L		33	34 - 130	5	35	
4,4'-DDT	<0.0179		2.57	1.056		ug/L		41	23 - 150	0	35	
Endosulfan I	<0.0250		2.57	2.432		ug/L		95	10 - 120	29	35	
Endosulfan II	<0.0232		2.57	2.730		ug/L		106	14 - 120	28	35	
Endosulfan sulfate	<0.0161		2.57	3.660		ug/L		142	36 - 147	11	35	
Endrin	<0.0250	F2	2.57	3.075	F2	ug/L		120	39 - 140	37	35	

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-296428-1 MSD

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 442075

Prep Batch: 441940

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier		Result	Qualifier				Limits		
Endrin aldehyde	<0.0241		2.57	2.479		ug/L		96	32 - 137	5	35
Heptachlor	<0.0205	F2	2.57	2.224		ug/L		87	27 - 120	26	35
Heptachlor epoxide	<0.0286		2.57	2.906		ug/L		113	38 - 133	28	35
Methoxychlor	<0.0286		2.57	3.401	p	ug/L		132	10 - 150	31	35
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD</b> <b>Qualifier</b>	<b>Limits</b>								
DCB Decachlorobiphenyl (Surr)	5	S1- p	10 - 136								
Tetrachloro-m-xylene (Surr)	91		10 - 130								

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LB 310-441456/1-E

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441921

Prep Batch: 441940

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
PCB-1016	<0.759		1.85	0.759	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1221	<0.759		1.85	0.759	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1232	<0.759		1.85	0.759	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1242	<0.759		1.85	0.759	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1248	<0.639		1.85	0.639	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1254	<0.639		1.85	0.639	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1260	<0.639		1.85	0.639	ug/L		12/09/24 09:18	12/09/24 18:36	1	
PCB-1268	<0.639		1.85	0.639	ug/L		12/09/24 09:18	12/09/24 18:36	1	
<b>Surrogate</b>	<b>%Recovery</b>	<b>LB</b> <b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>				
DCB Decachlorobiphenyl (Surr)	46		10 - 136	12/09/24 09:18	12/09/24 18:36	1				
Tetrachloro-m-xylene (Surr)	88		10 - 130	12/09/24 09:18	12/09/24 18:36	1				

Lab Sample ID: MB 310-441940/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 441921

Prep Batch: 441940

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
PCB-1016	<0.753		1.84	0.753	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1221	<0.753		1.84	0.753	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1232	<0.753		1.84	0.753	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1242	<0.753		1.84	0.753	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1248	<0.634		1.84	0.634	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1254	<0.634		1.84	0.634	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1260	<0.634		1.84	0.634	ug/L		12/09/24 09:18	12/09/24 17:02	1	
PCB-1268	<0.634		1.84	0.634	ug/L		12/09/24 09:18	12/09/24 17:02	1	
<b>Surrogate</b>	<b>%Recovery</b>	<b>MB</b> <b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>				
DCB Decachlorobiphenyl (Surr)	84		10 - 136	12/09/24 09:18	12/09/24 17:02	1				
Tetrachloro-m-xylene (Surr)	93		10 - 130	12/09/24 09:18	12/09/24 17:02	1				

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 310-441940/10-A**  
**Matrix: Water**  
**Analysis Batch: 441921**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441940**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	25.7	21.90		ug/L		85	30 - 133		
PCB-1260	25.7	22.50		ug/L		88	31 - 133		
		LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl (Surr)	88		10 - 136						
Tetrachloro-m-xylene (Surr)	86		10 - 130						

**Lab Sample ID: 310-294767-A-1-H MS**  
**Matrix: Water**  
**Analysis Batch: 442076**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 441940**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
PCB-1016	<0.745		25.8	19.91		ug/L		77	30 - 133	
PCB-1260	<0.627		25.8	16.08		ug/L		62	31 - 133	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	6	S1-	10 - 136							
Tetrachloro-m-xylene (Surr)	64		10 - 130							

**Lab Sample ID: 310-294767-A-1-I MSD**  
**Matrix: Water**  
**Analysis Batch: 442076**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 441940**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
PCB-1016	<0.745		26.7	24.78		ug/L		93	30 - 133		22	35
PCB-1260	<0.627		26.7	19.68		ug/L		74	31 - 133		20	35
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl (Surr)	17		10 - 136									
Tetrachloro-m-xylene (Surr)	83		10 - 130									

## Method: 8151A - Herbicides (GC)

**Lab Sample ID: LB 500-797809/1-F**  
**Matrix: Water**  
**Analysis Batch: 799108**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 797779**

Analyte	LB LB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
2,4-D	<30.7		100	30.7	ug/L		12/10/24 12:24	12/12/24 17:01			1
Silvex (2,4,5-TP)	<8.34		100	8.34	ug/L		12/10/24 12:24	12/12/24 17:01			1
2,4,5-T	<14.4		100	14.4	ug/L		12/10/24 12:24	12/12/24 17:01			1
		LB LB									
Surrogate	%Recovery	Qualifier	Limits	Prepared		Analyzed		Dil Fac			
DCAA	65		25 - 130	12/10/24 12:24	12/12/24 17:01			1			

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 8151A - Herbicides (GC) (Continued)

**Lab Sample ID: MB 500-798779/1-A**  
**Matrix: Water**  
**Analysis Batch: 799108**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 798779**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	<0.307		1.00	0.307	ug/L		12/10/24 12:24	12/12/24 13:41	1
Silvex (2,4,5-TP)	<0.0834		1.00	0.0834	ug/L		12/10/24 12:24	12/12/24 13:41	1
2,4,5-T	<0.144		1.00	0.144	ug/L		12/10/24 12:24	12/12/24 13:41	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
%Recovery	Qualifier								
DCAA	59		25 - 130			12/10/24 12:24	12/12/24 13:41	1	

**Lab Sample ID: LCS 500-798779/2-A**  
**Matrix: Water**  
**Analysis Batch: 799108**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 798779**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	2.50	1.811		ug/L		72	32 - 115
2,4,5-T	2.53	1.823		ug/L		72	30 - 115
Surrogate	LCS LCS		Limits			%Rec	Limits
%Recovery	Qualifier						
DCAA	81		25 - 130				

**Lab Sample ID: LCSD 500-798779/3-A**  
**Matrix: Water**  
**Analysis Batch: 799108**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 798779**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
2,4-D	10.1	8.546		ug/L		85	30 - 115	20	20
Silvex (2,4,5-TP)	2.50	1.987		ug/L		79	32 - 115	9	20
2,4,5-T	2.53	2.099		ug/L		83	30 - 115	14	20
Surrogate	LCSD LCSD		Limits			%Rec	Limits	RPD	
%Recovery	Qualifier								
DCAA	83		25 - 130						

**Lab Sample ID: 500-260803-D-20-I MS**  
**Matrix: Water**  
**Analysis Batch: 799108**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 798779**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	<8.34		250	226.6		ug/L		91	32 - 115
Surrogate	MS MS		Limits			%Rec	Limits		
%Recovery	Qualifier								
DCAA	92		25 - 130						

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 310-441684/1-A**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.000530		0.00200	0.000530	mg/L		12/06/24 09:00	12/11/24 15:38	1
Barium	<0.000660		0.00200	0.000660	mg/L		12/06/24 09:00	12/11/24 15:38	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		12/06/24 09:00	12/11/24 15:38	1
Chromium	<0.00120		0.00500	0.00120	mg/L		12/06/24 09:00	12/11/24 15:38	1
Copper	<0.00180		0.00500	0.00180	mg/L		12/06/24 09:00	12/11/24 15:38	1
Iron	<0.0360		0.100	0.0360	mg/L		12/06/24 09:00	12/11/24 15:38	1
Lead	<0.000260		0.000500	0.000260	mg/L		12/06/24 09:00	12/11/24 15:38	1
Magnesium	<0.150		0.500	0.150	mg/L		12/06/24 09:00	12/11/24 15:38	1
Nickel	<0.00210		0.00500	0.00210	mg/L		12/06/24 09:00	12/11/24 15:38	1
Potassium	<0.150		0.500	0.150	mg/L		12/06/24 09:00	12/11/24 15:38	1
Selenium	<0.00140		0.00500	0.00140	mg/L		12/06/24 09:00	12/11/24 15:38	1
Silver	<0.000500		0.00100	0.000500	mg/L		12/06/24 09:00	12/11/24 15:38	1
Zinc	<0.00970		0.0200	0.00970	mg/L		12/06/24 09:00	12/11/24 15:38	1

**Lab Sample ID: LCS 310-441684/2-A**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.1032		mg/L		103	80 - 120
Cadmium	0.100	0.1037		mg/L		104	80 - 120
Chromium	0.100	0.1039		mg/L		104	80 - 120
Copper	0.200	0.2146		mg/L		107	80 - 120
Iron	0.200	0.2217		mg/L		111	80 - 120
Lead	0.200	0.2117		mg/L		106	80 - 120
Magnesium	2.00	2.173		mg/L		109	80 - 120
Nickel	0.200	0.2102		mg/L		105	80 - 120
Potassium	2.00	2.142		mg/L		107	80 - 120
Selenium	0.400	0.3983		mg/L		100	80 - 120
Silver	0.100	0.1070		mg/L		107	80 - 120
Zinc	0.200	0.1944		mg/L		97	80 - 120

**Lab Sample ID: 310-296407-A-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Arsenic	0.00158	J	0.200	0.2210		mg/L		110	75 - 125
Barium	0.192		0.100	0.3001		mg/L		108	75 - 125
Cadmium	<0.000100		0.100	0.1064		mg/L		106	75 - 125
Chromium	0.00529		0.100	0.1103		mg/L		105	75 - 125
Copper	<0.00180		0.200	0.2138		mg/L		107	75 - 125
Iron	<0.0360		0.200	0.2369		mg/L		118	75 - 125
Lead	<0.000260		0.200	0.2179		mg/L		109	75 - 125
Magnesium	12.9		2.00	15.27	4	mg/L		121	75 - 125
Nickel	<0.00210		0.200	0.2073		mg/L		104	75 - 125
Potassium	8.71		2.00	11.05	4	mg/L		117	75 - 125
Selenium	0.00157	J	0.400	0.4161		mg/L		104	75 - 125

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 310-296407-A-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	<0.000500		0.100	0.1081		mg/L		108	75 - 125
Zinc	<0.00970		0.200	0.2053		mg/L		103	75 - 125

**Lab Sample ID: 310-296407-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00158	J	0.200	0.2131		mg/L		106	75 - 125	4	20
Barium	0.192		0.100	0.2984		mg/L		106	75 - 125	1	20
Cadmium	<0.000100		0.100	0.09983		mg/L		100	75 - 125	6	20
Chromium	0.00529		0.100	0.1059		mg/L		101	75 - 125	4	20
Copper	<0.00180		0.200	0.2069		mg/L		103	75 - 125	3	20
Iron	<0.0360		0.200	0.2271		mg/L		114	75 - 125	4	20
Lead	<0.000260		0.200	0.2068		mg/L		103	75 - 125	5	20
Magnesium	12.9		2.00	15.15	4	mg/L		115	75 - 125	1	20
Nickel	<0.00210		0.200	0.2014		mg/L		101	75 - 125	3	20
Potassium	8.71		2.00	10.83	4	mg/L		106	75 - 125	2	20
Selenium	0.00157	J	0.400	0.4021		mg/L		100	75 - 125	3	20
Silver	<0.000500		0.100	0.1072		mg/L		107	75 - 125	1	20
Zinc	<0.00970		0.200	0.1951		mg/L		98	75 - 125	5	20

**Lab Sample ID: 310-296412-A-3-B DU**  
**Matrix: Water**  
**Analysis Batch: 442277**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 441684**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.000530		<0.000530		mg/L		NC	20
Barium	0.156		0.1527		mg/L		2	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00120		<0.00120		mg/L		NC	20
Copper	0.00208	J	<0.00180		mg/L		NC	20
Iron	0.510		0.5209		mg/L		2	20
Lead	0.000589		0.0005970		mg/L		1	20
Magnesium	39.1		37.84		mg/L		3	20
Nickel	0.00286	J	0.002819	J	mg/L		1	20
Potassium	1.33		1.316		mg/L		1	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Zinc	<0.00970		<0.00970		mg/L		NC	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 310-442497/1-A**  
**Matrix: Water**  
**Analysis Batch: 442626**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 442497**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		12/16/24 10:30	12/16/24 16:21	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-442497/2-A  
 Matrix: Water  
 Analysis Batch: 442626

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 442497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001481		mg/L		89	80 - 120

Lab Sample ID: 310-296963-A-3-E MS  
 Matrix: Water  
 Analysis Batch: 442626

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 442497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000110		0.00167	0.001513		mg/L		91	80 - 120

Lab Sample ID: 310-296963-A-3-F MSD  
 Matrix: Water  
 Analysis Batch: 442626

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 442497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001537		mg/L		92	80 - 120	2	20

## Method: 2540E - Solids, Volatile and Fixed (VS)

Lab Sample ID: MB 310-441791/1  
 Matrix: Water  
 Analysis Batch: 441791

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Volatile Solids	<50.0		50.0	50.0	mg/L			12/05/24 14:49	1
Fixed Solids	<50.0		50.0	50.0	mg/L			12/05/24 14:49	1

Lab Sample ID: 310-296428-1 DU  
 Matrix: Water  
 Analysis Batch: 441791

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Volatile Solids	1190		910.0		mg/L		27	35
Fixed Solids	2420		2410		mg/L		0.4	35

## Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-442185/1-A  
 Matrix: Water  
 Analysis Batch: 442256

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 442185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.210		0.500	0.210	mg/L		12/11/24 09:12	12/11/24 20:16	1

Lab Sample ID: LCS 310-442185/2-A  
 Matrix: Water  
 Analysis Batch: 442256

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 442185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	4.00	3.592		mg/L		90	90 - 110

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 310-296430-A-2-B MS  
 Matrix: Water  
 Analysis Batch: 442256

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 442185

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ammonia	2.58	F1	4.00	7.086	F1	mg/L		113	90 - 110	

Lab Sample ID: 310-296430-A-2-C MSD  
 Matrix: Water  
 Analysis Batch: 442256

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 442185

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Ammonia	2.58	F1	4.00	6.528		mg/L		99	90 - 110	8	14	

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 310-441580/1-A  
 Matrix: Water  
 Analysis Batch: 441713

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 441580

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Kjeldahl Nitrogen	<0.570		1.00	0.570	mg/L		12/05/24 05:40	12/05/24 18:32	1

Lab Sample ID: LCS 310-441580/2-A  
 Matrix: Water  
 Analysis Batch: 441713

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 441580

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	
							Result	Qualifier
Total Kjeldahl Nitrogen	4.01	3.891		mg/L		97	90 - 110	

Lab Sample ID: 310-296384-A-7-B MS  
 Matrix: Water  
 Analysis Batch: 441713

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 441580

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Total Kjeldahl Nitrogen	3180	F1	1000	4622	F1	mg/L		144	90 - 110	

Lab Sample ID: 310-296384-A-7-C MSD  
 Matrix: Water  
 Analysis Batch: 441713

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 441580

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Total Kjeldahl Nitrogen	3180	F1	1000	4552	F1	mg/L		137	90 - 110	2	27	

## Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 310-441714/2-A  
 Matrix: Water  
 Analysis Batch: 441716

Client Sample ID: Method Blank  
 Prep Type: Dissolved

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Orthophosphate as P	<0.0300		0.100	0.0300	mg/L			12/05/24 23:57	1

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 365.1 - Phosphorus, Ortho (Continued)

**Lab Sample ID: LCS 310-441714/1-A**  
**Matrix: Water**  
**Analysis Batch: 441716**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Dissolved**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	1.39	1.324		mg/L		95	90 - 110

**Lab Sample ID: 310-296428-1 MS**  
**Matrix: Water**  
**Analysis Batch: 441716**

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	1.71	F1	0.501	2.199	E	mg/L		97	90 - 110

**Lab Sample ID: 310-296428-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 441716**

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Orthophosphate as P	1.71	F1	0.501	2.279	E F1	mg/L		113	90 - 110	4	25

## Method: 365.1 - Phosphorus, Total

**Lab Sample ID: MB 310-441875/1-A**  
**Matrix: Water**  
**Analysis Batch: 442031**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 441875**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.0670		0.100	0.0670	mg/L		12/07/24 10:29	12/09/24 20:01	1
Phosphorus as PO4	<0.210		0.310	0.210	mg/L		12/07/24 10:29	12/09/24 20:01	1

**Lab Sample ID: LCS 310-441875/2-A**  
**Matrix: Water**  
**Analysis Batch: 442031**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 441875**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.00	1.002		mg/L		100	90 - 110

**Lab Sample ID: 310-296627-B-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 442031**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 441875**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	<0.0670		1.00	0.9920		mg/L		99	90 - 110

**Lab Sample ID: 310-296627-B-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 442031**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 441875**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	<0.0670		1.00	1.038		mg/L		104	90 - 110	5	18

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 310-441945/1-A  
 Matrix: Water  
 Analysis Batch: 442149

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 441945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		12/09/24 09:40	12/10/24 18:09	1

Lab Sample ID: LCS 310-441945/2-A  
 Matrix: Water  
 Analysis Batch: 442149

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 441945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1952		mg/L		98	90 - 110

Lab Sample ID: 310-296381-B-1-B MS  
 Matrix: Water  
 Analysis Batch: 442149

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 441945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.00350		0.200	0.1925		mg/L		96	60 - 130

Lab Sample ID: 310-296381-B-1-C MSD  
 Matrix: Water  
 Analysis Batch: 442149

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 441945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.00350		0.200	0.1912		mg/L		96	60 - 130	1	35

## Method: 9040C - pH

Lab Sample ID: 310-296428-1 DU  
 Matrix: Water  
 Analysis Batch: 441451

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.62	HF	7.620		SU		0	20

## Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-442144/1  
 Matrix: Water  
 Analysis Batch: 442144

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	<3.70		5.00	3.70	mg/L			12/10/24 16:29	1

Lab Sample ID: LCS 310-442144/2  
 Matrix: Water  
 Analysis Batch: 442144

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	95.00		mg/L		95	81 - 116

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: 310-296730-A-1 DU  
 Matrix: Water  
 Analysis Batch: 442144

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Suspended Solids	5.33		6.667		mg/L		22	35

## Method: SM 2540B - Solids, Total

Lab Sample ID: MB 310-441696/1  
 Matrix: Water  
 Analysis Batch: 441696

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Solids	<45.0		50.0	45.0	mg/L			12/05/24 14:49	1

Lab Sample ID: LCS 310-441696/2  
 Matrix: Water  
 Analysis Batch: 441696

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Total Solids	1000	1028		mg/L		103	88 - 116

Lab Sample ID: 310-296428-1 DU  
 Matrix: Water  
 Analysis Batch: 441696

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12  
 Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Solids	3610		3320		mg/L		8	26

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 310-441711/1  
 Matrix: Water  
 Analysis Batch: 441711

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	<42.0		50.0	42.0	mg/L			12/05/24 17:59	1

Lab Sample ID: LCS 310-441711/2  
 Matrix: Water  
 Analysis Batch: 441711

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Total Dissolved Solids	1000	968.0		mg/L		97	88 - 110

Lab Sample ID: 310-296343-C-2 DU  
 Matrix: Water  
 Analysis Batch: 441711

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Dissolved Solids	430		462.0		mg/L		7	16

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 310-441852/1-A  
 Matrix: Water  
 Analysis Batch: 441575

Client Sample ID: Method Blank  
 Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.0100		0.0200	0.0100	mg/L			12/04/24 17:06	1

Lab Sample ID: LCS 310-441852/2-A  
 Matrix: Water  
 Analysis Batch: 441575

Client Sample ID: Lab Control Sample  
 Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	0.401	0.3738		mg/L		93	90 - 110

Lab Sample ID: 310-296428-1 MS  
 Matrix: Water  
 Analysis Batch: 441855

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	<0.0100	F1	0.100	<0.0100	F1	mg/L		0	15 - 149

Lab Sample ID: 310-296428-1 MSD  
 Matrix: Water  
 Analysis Batch: 441855

Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium (VI)	<0.0100	F1	0.100	<0.0100	F1	mg/L		0	15 - 149	NC	35

## Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-442017/16  
 Matrix: Water  
 Analysis Batch: 442017

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			12/09/24 14:09	1

Lab Sample ID: LCS 310-442017/14  
 Matrix: Water  
 Analysis Batch: 442017

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.67		mg/L		107	90 - 110

Lab Sample ID: 310-296343-D-4 MS  
 Matrix: Water  
 Analysis Batch: 442017

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
Chloride	52.6		10.0	58.70	4	mg/L		61	73 - 110

# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 310-296343-D-4 MSD  
 Matrix: Water  
 Analysis Batch: 442017

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
Chloride	52.6		10.0	58.92	4	mg/L		63	73 - 110	0	14

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 310-441583/1  
 Matrix: Water  
 Analysis Batch: 441583

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<3.00		3.00	3.00	mg/L			12/05/24 05:25	1

Lab Sample ID: LCS 310-441583/2  
 Matrix: Water  
 Analysis Batch: 441583

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	198	214.7		mg/L		108	76 - 126

Lab Sample ID: 310-296431-C-2 DU  
 Matrix: Water  
 Analysis Batch: 441583

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Carbonaceous Biochemical Oxygen Demand	11.5		10.30		mg/L		11	30

## Method: SM 5220D - COD

Lab Sample ID: MB 310-442291/1  
 Matrix: Water  
 Analysis Batch: 442291

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.80		5.00	4.80	mg/L			12/12/24 08:55	1

Lab Sample ID: MB 310-442291/5  
 Matrix: Water  
 Analysis Batch: 442291

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.80		5.00	4.80	mg/L			12/12/24 08:55	1

Lab Sample ID: LCS 310-442291/3  
 Matrix: Water  
 Analysis Batch: 442291

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	125	128.8		mg/L		103	85 - 110

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# QC Sample Results

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Method: SM 5220D - COD (Continued)

**Lab Sample ID: 240-216066-F-5 MS**

**Matrix: Water**

**Analysis Batch: 442291**

**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
Chemical Oxygen Demand	<4.80		50.0	60.75		mg/L		122	83 - 145

**Lab Sample ID: 240-216066-F-5 MSD**

**Matrix: Water**

**Analysis Batch: 442291**

**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
Chemical Oxygen Demand	<4.80		50.0	58.43		mg/L		117	83 - 145	4	16

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## GC/MS VOA

### Analysis Batch: 441675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8260D	
MB 310-441675/5	Method Blank	Total/NA	Water	8260D	
LCS 310-441675/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-441675/7	Lab Control Sample	Total/NA	Water	8260D	
310-296487-C-7 MS	Matrix Spike	Total/NA	Water	8260D	
310-296487-C-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

## GC/MS Semi VOA

### Prep Batch: 441725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	3510C	
MB 310-441725/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-441725/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-441725/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 441805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8270E	441725
MB 310-441725/1-A	Method Blank	Total/NA	Water	8270E	441725
LCS 310-441725/2-A	Lab Control Sample	Total/NA	Water	8270E	441725
LCSD 310-441725/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	441725

## GC Semi VOA

### Leach Batch: 441456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-441456/1-E	Method Blank	Total/NA	Water	1311	
310-294767-A-1-H MS	Matrix Spike	TCLP	Water	1311	
310-294767-A-1-I MSD	Matrix Spike Duplicate	TCLP	Water	1311	

### Analysis Batch: 441920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8081B	441940
MB 310-441940/1-A	Method Blank	Total/NA	Water	8081B	441940

### Analysis Batch: 441921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8082A	441940
LB 310-441456/1-E	Method Blank	Total/NA	Water	8082A	441940
MB 310-441940/1-A	Method Blank	Total/NA	Water	8082A	441940
LCS 310-441940/10-A	Lab Control Sample	Total/NA	Water	8082A	441940

### Prep Batch: 441940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	3511	
LB 310-441456/1-E	Method Blank	Total/NA	Water	3511	441456
MB 310-441940/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-441940/10-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-441940/11-A	Lab Control Sample	Total/NA	Water	3511	
310-294767-A-1-H MS	Matrix Spike	TCLP	Water	3511	441456
310-294767-A-1-I MSD	Matrix Spike Duplicate	TCLP	Water	3511	441456

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# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## GC Semi VOA (Continued)

### Prep Batch: 441940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	3511	
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	3511	

### Analysis Batch: 442075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-441940/11-A	Lab Control Sample	Total/NA	Water	8081B	441940
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8081B	441940
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8081B	441940

### Analysis Batch: 442076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-294767-A-1-H MS	Matrix Spike	TCLP	Water	8082A	441940
310-294767-A-1-I MSD	Matrix Spike Duplicate	TCLP	Water	8082A	441940

### Leach Batch: 797809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-797809/1-F	Method Blank	Total/NA	Water	1311	
500-260803-D-20-I MS	Matrix Spike	TCLP	Water	1311	

### Prep Batch: 798779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8151A	
LB 500-797809/1-F	Method Blank	Total/NA	Water	8151A	797809
MB 500-798779/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-798779/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-798779/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
500-260803-D-20-I MS	Matrix Spike	TCLP	Water	8151A	797809

### Analysis Batch: 799108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	8151A	798779
LB 500-797809/1-F	Method Blank	Total/NA	Water	8151A	798779
MB 500-798779/1-A	Method Blank	Total/NA	Water	8151A	798779
LCS 500-798779/2-A	Lab Control Sample	Total/NA	Water	8151A	798779
LCSD 500-798779/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	798779
500-260803-D-20-I MS	Matrix Spike	TCLP	Water	8151A	798779

## Metals

### Prep Batch: 441684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	3005A	
MB 310-441684/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-441684/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-296407-A-1-B MS	Matrix Spike	Total/NA	Water	3005A	
310-296407-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-296412-A-3-B DU	Duplicate	Total/NA	Water	3005A	

### Analysis Batch: 442277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	6020B	441684

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# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Metals (Continued)

### Analysis Batch: 442277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-441684/1-A	Method Blank	Total/NA	Water	6020B	441684
LCS 310-441684/2-A	Lab Control Sample	Total/NA	Water	6020B	441684
310-296407-A-1-B MS	Matrix Spike	Total/NA	Water	6020B	441684
310-296407-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	441684
310-296412-A-3-B DU	Duplicate	Total/NA	Water	6020B	441684

### Analysis Batch: 442386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	6020B	441684

### Prep Batch: 442497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	7470A	
MB 310-442497/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-442497/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-296963-A-3-E MS	Matrix Spike	Total/NA	Water	7470A	
310-296963-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 442626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	7470A	442497
MB 310-442497/1-A	Method Blank	Total/NA	Water	7470A	442497
LCS 310-442497/2-A	Lab Control Sample	Total/NA	Water	7470A	442497
310-296963-A-3-E MS	Matrix Spike	Total/NA	Water	7470A	442497
310-296963-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	442497

## General Chemistry

### Analysis Batch: 441451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	9040C	
LCS 310-441451/15	Lab Control Sample	Total/NA	Water	9040C	
310-296428-1 DU	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	9040C	

### Analysis Batch: 441575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-441852/1-A	Method Blank	Dissolved	Water	SM 3500 CR B	441852
LCS 310-441852/2-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	441852

### Prep Batch: 441580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	351.2	
MB 310-441580/1-A	Method Blank	Total/NA	Water	351.2	
LCS 310-441580/2-A	Lab Control Sample	Total/NA	Water	351.2	
310-296384-A-7-B MS	Matrix Spike	Total/NA	Water	351.2	
310-296384-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	

### Analysis Batch: 441583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 5210B	
USB 310-441583/1	Method Blank	Total/NA	Water	SM 5210B	

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# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## General Chemistry (Continued)

### Analysis Batch: 441583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-441583/2	Lab Control Sample	Total/NA	Water	SM 5210B	
310-296431-C-2 DU	Duplicate	Total/NA	Water	SM 5210B	

### Analysis Batch: 441696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 2540B	
MB 310-441696/1	Method Blank	Total/NA	Water	SM 2540B	
LCS 310-441696/2	Lab Control Sample	Total/NA	Water	SM 2540B	
310-296428-1 DU	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 2540B	

### Analysis Batch: 441711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 2540C	
MB 310-441711/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-441711/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-296343-C-2 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 441713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	351.2	441580
MB 310-441580/1-A	Method Blank	Total/NA	Water	351.2	441580
LCS 310-441580/2-A	Lab Control Sample	Total/NA	Water	351.2	441580
310-296384-A-7-B MS	Matrix Spike	Total/NA	Water	351.2	441580
310-296384-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	441580

### Filtration Batch: 441714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	
MB 310-441714/2-A	Method Blank	Dissolved	Water	Filtration	
LCS 310-441714/1-A	Lab Control Sample	Dissolved	Water	Filtration	
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	

### Analysis Batch: 441716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	365.1	441714
MB 310-441714/2-A	Method Blank	Dissolved	Water	365.1	441714
LCS 310-441714/1-A	Lab Control Sample	Dissolved	Water	365.1	441714
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	365.1	441714
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	365.1	441714

### Analysis Batch: 441791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	2540E	
MB 310-441791/1	Method Blank	Total/NA	Water	2540E	
310-296428-1 DU	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	2540E	

### Filtration Batch: 441852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	
MB 310-441852/1-A	Method Blank	Dissolved	Water	Filtration	

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# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## General Chemistry (Continued)

### Filtration Batch: 441852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-441852/2-A	Lab Control Sample	Dissolved	Water	Filtration	
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	Filtration	

### Analysis Batch: 441855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	SM 3500 CR B	441852
310-296428-1 MS	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	SM 3500 CR B	441852
310-296428-1 MSD	CRLCSWAZ_Leachate_2024_12	Dissolved	Water	SM 3500 CR B	441852

### Prep Batch: 441875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	365.2/365.3/365	
MB 310-441875/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 310-441875/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
310-296627-B-2-B MS	Matrix Spike	Total/NA	Water	365.2/365.3/365	
310-296627-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	365.2/365.3/365	

### Prep Batch: 441945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	9012B	
MB 310-441945/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-441945/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-296381-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	
310-296381-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

### Analysis Batch: 441951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	353.2	

### Analysis Batch: 442017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 4500 CI- E	
MB 310-442017/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 310-442017/14	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
310-296343-D-4 MS	Matrix Spike	Total/NA	Water	SM 4500 CI- E	
310-296343-D-4 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 442031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	365.1	441875
MB 310-441875/1-A	Method Blank	Total/NA	Water	365.1	441875
LCS 310-441875/2-A	Lab Control Sample	Total/NA	Water	365.1	441875
310-296627-B-2-B MS	Matrix Spike	Total/NA	Water	365.1	441875
310-296627-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	365.1	441875

### Analysis Batch: 442144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	I-3765-85	
MB 310-442144/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-442144/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Eurofins Cedar Falls

# QC Association Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## General Chemistry (Continued)

### Analysis Batch: 442144 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296730-A-1 DU	Duplicate	Total/NA	Water	I-3765-85	

### Analysis Batch: 442149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	9012B	441945
MB 310-441945/1-A	Method Blank	Total/NA	Water	9012B	441945
LCS 310-441945/2-A	Lab Control Sample	Total/NA	Water	9012B	441945
310-296381-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	441945
310-296381-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	441945

### Prep Batch: 442185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	Distill/Ammonia	
MB 310-442185/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 310-442185/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
310-296430-A-2-B MS	Matrix Spike	Total/NA	Water	Distill/Ammonia	
310-296430-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Ammonia	

### Analysis Batch: 442256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	350.1	442185
MB 310-442185/1-A	Method Blank	Total/NA	Water	350.1	442185
LCS 310-442185/2-A	Lab Control Sample	Total/NA	Water	350.1	442185
310-296430-A-2-B MS	Matrix Spike	Total/NA	Water	350.1	442185
310-296430-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	442185

### Analysis Batch: 442291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-296428-1	CRLCSWAZ_Leachate_2024_12	Total/NA	Water	SM 5220D	
MB 310-442291/1	Method Blank	Total/NA	Water	SM 5220D	
MB 310-442291/5	Method Blank	Total/NA	Water	SM 5220D	
LCS 310-442291/3	Lab Control Sample	Total/NA	Water	SM 5220D	
240-216066-F-5 MS	Matrix Spike	Total/NA	Water	SM 5220D	
240-216066-F-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	

# Lab Chronicle

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

**Client Sample ID: CRLCSWAZ\_Leachate\_2024\_12**

**Lab Sample ID: 310-296428-1**

Date Collected: 12/04/24 09:20

Matrix: Water

Date Received: 12/04/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	441675	WSE8	EET CF	12/06/24 09:24
Total/NA	Prep	3510C			441725	AYK7	EET CF	12/06/24 07:00
Total/NA	Analysis	8270E		1	441805	L0FS	EET CF	12/06/24 15:19
Total/NA	Prep	3511			441940	AYK7	EET CF	12/09/24 09:18
Total/NA	Analysis	8081B		1	441920	BW2O	EET CF	12/09/24 17:20
Total/NA	Prep	3511			441940	AYK7	EET CF	12/09/24 09:18
Total/NA	Analysis	8082A		1	441921	BW2O	EET CF	12/09/24 17:20
Total/NA	Prep	8151A			798779	FRG	EET CHI	12/10/24 12:24
Total/NA	Analysis	8151A		1	799108	H7CM	EET CHI	12/12/24 17:37
Total/NA	Prep	3005A			441684	F5MW	EET CF	12/06/24 09:00
Total/NA	Analysis	6020B		1	442277	NFT2	EET CF	12/11/24 16:45
Total/NA	Prep	3005A			441684	F5MW	EET CF	12/06/24 09:00
Total/NA	Analysis	6020B		4	442386	NFT2	EET CF	12/12/24 11:52
Total/NA	Prep	7470A			442497	QTZ5	EET CF	12/16/24 10:30
Total/NA	Analysis	7470A		1	442626	QTZ5	EET CF	12/16/24 17:03
Total/NA	Analysis	2540E		1	441791	HE7K	EET CF	12/05/24 14:49
Total/NA	Prep	Distill/Ammonia			442185	A3GU	EET CF	12/11/24 09:12
Total/NA	Analysis	350.1		1	442256	ZJX4	EET CF	12/11/24 20:24
Total/NA	Prep	351.2			441580	W9YR	EET CF	12/05/24 05:40
Total/NA	Analysis	351.2		10	441713	ZJX4	EET CF	12/05/24 19:07
Total/NA	Analysis	353.2		1	441951	HE7K	EET CF	12/11/24 02:45
Dissolved	Filtration	Filtration			441714	ZJX4	EET CF	12/05/24 20:30
Dissolved	Analysis	365.1		1	441716	ZJX4	EET CF	12/05/24 23:58
Total/NA	Prep	365.2/365.3/365			441875	T5AC	EET CF	12/07/24 10:29
Total/NA	Analysis	365.1		1	442031	ZJX4	EET CF	12/09/24 21:02
Total/NA	Prep	9012B			441945	ENB7	EET CF	12/09/24 09:40
Total/NA	Analysis	9012B		1	442149	ZJX4	EET CF	12/10/24 18:17
Total/NA	Analysis	9040C		1	441451	W9YR	EET CF	12/04/24 16:46
Total/NA	Analysis	I-3765-85		1	442144	MDU9	EET CF	12/10/24 16:29
Total/NA	Analysis	SM 2540B		1	441696	HE7K	EET CF	12/05/24 14:49
Total/NA	Analysis	SM 2540C		1	441711	XJ7V	EET CF	12/05/24 17:59
Dissolved	Filtration	Filtration			441852	ENB7	EET CF	12/04/24 16:20
Dissolved	Analysis	SM 3500 CR B		1	441855	ENB7	EET CF	12/04/24 17:06
Total/NA	Analysis	SM 4500 CI- E		100	442017	ENB7	EET CF	12/09/24 14:11
Total/NA	Analysis	SM 5210B		1	441583	W9YR	EET CF	12/05/24 06:50
Total/NA	Analysis	SM 5220D		50	442291	HE7K	EET CF	12/12/24 08:55

**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



# Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC  
Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

## Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540E		Water	Fixed Solids
365.1	365.2/365.3/365	Water	Phosphorus as PO4
8082A	3511	Water	PCB-1268
8260D		Water	1,2,3-Trichlorobenzene
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	2-Chloroethyl vinyl ether
8260D		Water	Bromobenzene
8260D		Water	Hexane
8260D		Water	p-Isopropyltoluene
8260D		Water	sec-Butylbenzene
8260D		Water	tert-Butylbenzene
8270E	3510C	Water	Benzoic acid
8270E	3510C	Water	Pyridine

## Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Water	2,4,5-T

# Method Summary

Client: Foth Infrastructure & Environment, LLC  
 Project/Site: CRLCSWA 2\_Leachate

Job ID: 310-296428-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
2540E	Solids, Volatile and Fixed (VS)	SM	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET CF
365.1	Phosphorus, Ortho	EPA	EET CF
365.1	Phosphorus, Total	EPA	EET CF
9012B	Cyanide, Total and/or Amenable	SW846	EET CF
9040C	pH	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2540B	Solids, Total	SM	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 3500 CR B	Chromium, Hexavalent	SM	EET CF
SM 4500 Cl- E	Chloride, Total	SM	EET CF
SM 5210B	BOD, 5-Day	SM	EET CF
SM 5220D	COD	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
365.2/365.3/365	Phosphorus, Total	EPA	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
Distill/Ammonia	Distillation, Ammonia	None	EET CF
Filtration	Sample Filtration	None	EET CF

**Protocol References:**

- EPA = US Environmental Protection Agency
- None = None
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- 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



Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>			
Client: <u>Foth</u>			
City/State:	<small>CITY</small>	<small>STATE</small>	Project:
<b>Receipt Information</b>			
Date/Time Received:	<small>DATE</small> <u>12/4/24</u>	<small>TIME</small> <u>1445</u>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
<b>Condition of Cooler/Containers</b>			
Sample(s) received in Cooler? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID:</i>			
Multiple Coolers? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Cooler # _____ of _____</i>			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
<b>Temperature Record</b>			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• <b>Temp Blank Temperature</b> – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>4.7</u>		Corrected Temp (°C): <u>4.7</u>	
• <b>Sample Container Temperature</b>			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
<b>Exceptions Noted</b>			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) <i>If yes: Is there evidence that the chilling process began?</i> <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE. If yes, contact PM before proceeding. If no, proceed with login			
<b>Additional Comments</b>			



**Chain of Custody Record**

652710 

Environment Testing  
America

Address \_\_\_\_\_

TAL-8210

Regulatory Program:  DW  NPDES  RCRA  Other

Client Contact  
Company Name **Fork I + E**      Project Manager: **Gina Williams**      Date: **12/4/24**      COC No. \_\_\_\_\_  
 Address **411 6th Ave SE STE 400**      Tel/Email: **Gina.Williams@eurofins.com**      Carrier: **eurofins**

City/State/Zip **Cedar Rapids, IA 52401**      Analysis Turnaround Time \_\_\_\_\_  
 Phone **319-365-9565**       CALENDAR DAYS       WORKING DAYS  
 Fax: **319-365-**      TAT if different from Below \_\_\_\_\_  
 Project Name **CRLOSWA 2 - Leachate**       2 weeks  
 Site **CRLOSWA #2**       1 week  
 PO# \_\_\_\_\_       2 days  
     1 day

Sample Identification  
 Sample Date: **12/9/24**      Sample Time: **9:20**      Sample Type: **G**      Matrix: **H<sub>2</sub>O**      # of Cont: **17**  
 Walk-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SDG No: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		Perform MS / MSD (Y / N)		Sample Specific Notes
						Y	N	Y	N	
CRLOSWA 2 - Leachate - 2024 - 12	12/9/24	9:20	G	H <sub>2</sub> O	17	-	-	-	-	SEE ATTACHED PARAMETER SHEET

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other \_\_\_\_\_  
 Possible Hazard Identification: \_\_\_\_\_  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample  
 Non-Hazard       Flammable       Skin Irritant       Poison B       Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client       Disposal by Lab       Archive for \_\_\_\_\_ Months

Custody Seals Intact:  Yes  No      Cooler Temp (°C) Obs'd \_\_\_\_\_      Therm ID No \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_      Company: **O.A. TECH**      Received by: \_\_\_\_\_      Date/Time: **12/9/24 4:00**  
 Relinquished by: \_\_\_\_\_      Company: \_\_\_\_\_      Received by: \_\_\_\_\_      Date/Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_      Company: \_\_\_\_\_      Received in Laboratory by: \_\_\_\_\_      Date/Time: **12/24/24 1445**



EXHIBIT B

LARRY E. BRANSTAD, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
LARRY J. WILSON, DIRECTOR

**SANITARY LANDFILL LEACHATE SAMPLING GUIDELINE**

**10-26-93**

Legend:           \* = TCLP Test Parameter  
                  Parameters per IAC 103.2(4)

1. Conventional Pollutants

Method of Analysis: EPA SW-846

- Carbonaceous Biochemical Oxygen Demand
- Chemical Oxygen Demand
- Ammonia Nitrogen
- Nitrate as NO<sub>3</sub><sup>-</sup>
- Total Kjeldahl Nitrogen
- Chloride
- pH
- Phosphate (Total)
- Phosphorus
- Total Dissolved Solids
- Total Suspended Solids
- Total Volatile Solids

2. Total Metals

Method of Analysis: EPA SW-846

- |             |           |
|-------------|-----------|
| * Arsenic   | *Lead     |
| * Barium    | Magnesium |
| * Cadmium   | *Mercury  |
| * Chromium  | Nickel    |
| Chromium +6 | Potassium |
| Copper      | *Selenium |
| Cyanide     | *Silver   |
| Iron        | Zinc      |

3. Volatile Compounds

Method of Analysis: EPA Wastewater Method 624 or EPA SW-846

- \* Benzene
- Bromodichloromethane
- Bromoform

5. Polychlorinated Biphenyl Mixtures

Method of Analysis: EPA Wastewater Method 608 or EPA SW-846

Arochlor<sup>®</sup>-1016  
Arochlor<sup>®</sup>-1221  
Arochlor<sup>®</sup>-1232  
Arochlor<sup>®</sup>-1242  
Arochlor<sup>®</sup>-1248  
Arochlor<sup>®</sup>-1254  
Arochlor<sup>®</sup>-1260

Polychlorinated Biphenyls (PCB's) (Total)

6. Acid Fraction

Method of Analysis: EPA Wastewater Method 625 or EPA SW-846

Benzoic Acid  
2-Chlorophenol  
4-Chloro-3-Methylphenol (p-chloro-m-cresol)  
2,4-Dichlorophenol  
2,4-Dimethylphenol (xylenol)  
2,4-Dinitrophenol  
4,6-Dinitrophenol  
4,6-Dinitro-2-Methylphenol  
\* 2-Methylphenol (o-cresol)  
\* 3-Methylphenol (m-cresol)  
\* 4-Methylphenol (p-cresol)  
\* Cresols (Total)  
2-Nitrophenol  
4-Nitrophenol  
\* Pentachlorophenol  
\* 2,4,5-Trichlorophenol  
\* 2,4,6-Trichlorophenol

7. Base/Neutral Fraction

Method of Analysis: EPA Wastewater Method 625 or EPA SW-846

Acenaphthalylene  
Acenaphthene  
Anthracene  
Benz (a) Anthracene  
Benzo (a) Pyrene  
Benzo (b) Fluoranthene  
Benzo (k) Fluoranthene

## Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler N/A		Lab PM Calhoun, Conner M		Carrier Tracking No(s) N/A		COC No. 310-79003 1																																																																																																																																																																																																									
Client Contact: Shipping/Receiving		Phone N/A		E-Mail Conner Calhoun@et.eurofinsus.com		State of Origin Iowa		Page Page 1 of 1																																																																																																																																																																																																									
Company Eurofins Environment Testing North Centr					Accreditations Required (See note) State Program - Iowa																																																																																																																																																																																																												
Address 2417 Bond Street,					Due Date Requested 12/17/2024																																																																																																																																																																																																												
City University Park					TAT Requested (days) N/A																																																																																																																																																																																																												
State Zip: IL, 60484					<div style="display: flex; justify-content: space-between; font-weight: bold;"> <span>Analysis Requested</span> </div> <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																																																																																																																																																																																																												
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Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix <small>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</small>	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Default List	Total Number of Containers	Other	Special Instructions/Note.
310-296428 COC									N/A	
CRLCSWAZ_Leachate_2024_12 (310-296428-1)	12/4/24	09 20 Central	G	Water	X	X		2		

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.

<b>Possible Hazard Identification</b>			<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>		
<u>Unconfirmed</u>			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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:	Date/Time	Date/Time	Date/Time	Date/Time	Company
	12 5 24	12 25	12/6/24	0935	EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No	Cooler Temperature(s) °C and Other Remarks
			0.7 → 0.4



## Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-296428-1

**Login Number: 296428**

**List Source: Eurofins Cedar Falls**

**List Number: 1**

**Creator: Bunker, Xavier M**

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.	N/A	
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.	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: Foth Infrastructure & Environment, LLC

Job Number: 310-296428-1

**Login Number: 296428**

**List Number: 2**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

**List Creation: 12/07/24 09:56 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	0.4
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	

